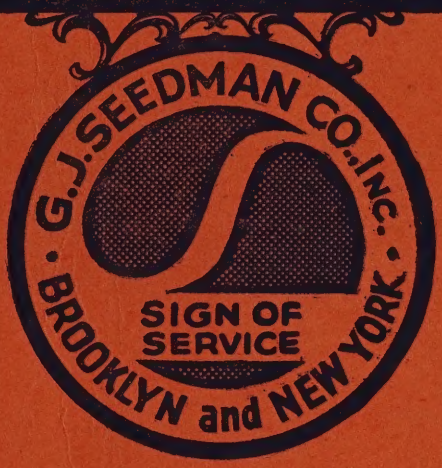
Seedman



Phone for correct PRICES

Specialists in

Automotive Service Station Equipment

STERLING 8100

AT-490-G1-1948

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CATALOG

of

Service Station Equipment

—

No. 8

—

G. J. Seedman Co., Inc.

Wholesale Distributors

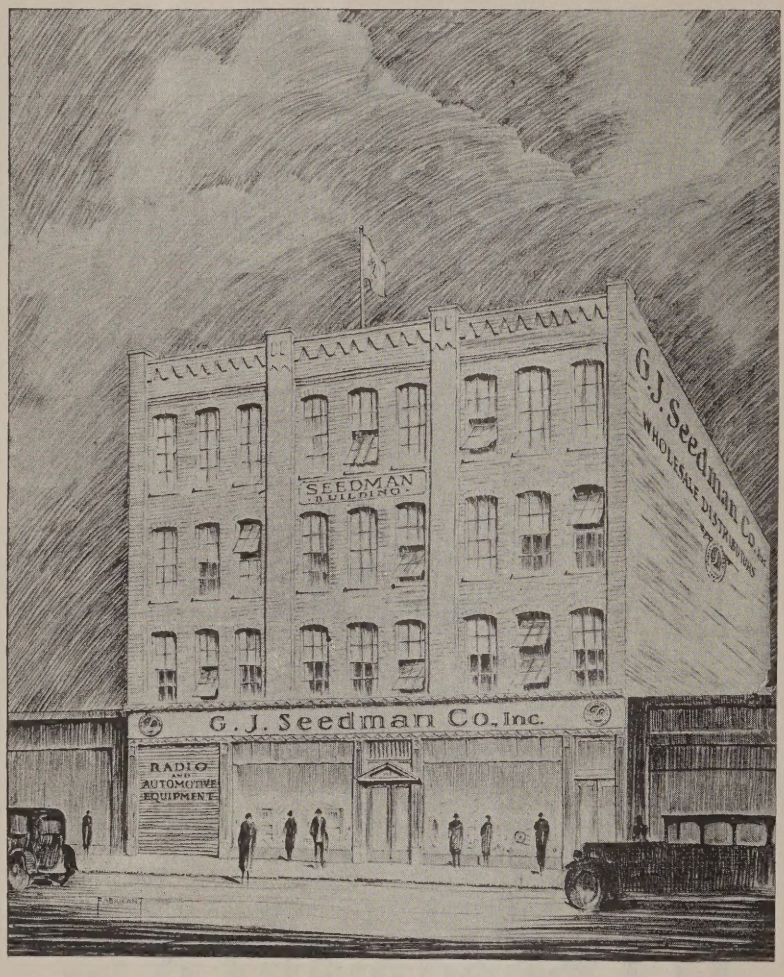
HOME OFFICE

SEEDMAN BUILDING

765 ATLANTIC AVENUE

BROOKLYN · · · NEW YORK

PHONE 8100 STERLING



TO SERVE YOU BETTER

The ever increasing demand for SEEDMAN Automotive Service Equipment made necessary the new SEEDMAN BUILDING at 765 Atlantic Avenue, Brooklyn.

It is one of the show places of the City, and is devoted to ULTRA Dealer Service. On the main floor there is a Permanent Exhibit of all the newest Automotive Service Equipment.

You are invited! Any day, at your convenience.

The Seedman Code

1. **FAIR DEALING**—We will accord fair treatment to buyer and seller alike. Consideration and truthfulness will be known as characteristics of our organization. Every promise must be kept.

2. **COMPETENCE**—We will merit continued and increased good-will through knowledge of our business and ability to perform a useful service.

3. **QUALITY**—We will sell only standard merchandise of recognized merit. Quality will not be sacrificed for price.

4. **LOW PRICE**—We will give our customers the benefit of price concessions we enjoy which result from our larger buying power.

5. **COMPLETE STOCKS**—We will carry complete stocks of all necessary items to properly service our trade. Absence of profit on certain items will not deter us from maintaining this policy.

6. ***SERVICE**—We will make our house a valuable business connection for our customers by rendering a more complete service than can be found elsewhere.

(*Signed*) Geo J Seedman

*Service really means something at Seedman's. For instance, the sale of a piece of Service Station Equipment does not necessarily close the transaction.

If anything ever goes wrong with that equipment we have the facilities and repair parts necessary to give you immediate service. In this, we excel.

EXCLUSIVELY

AT SEEDMAN'S

We are the only house that operates a fleet of service trucks manned by a trained crew to eliminate your installation and service problems. These men and trucks are equipped to install all Service Station Equipment that we sell.

Seedman for unusually GOOD SERVICE

6 Reasons Why —

It is to YOUR advantage to buy all Service Station Equipment at SEEDMAN'S.

1. We are the largest Service Station Equipment House in the East. We are **specialists** and *know* our business.
2. Our sales engineers can give you valuable advice in laying your plans. Their experience will save you costly mistakes. There is no charge for this service.
3. We operate our own crew of trained and experienced service men. We make complete installation of all equipment sold, when desired.
4. We carry everything in stock. No delay waiting for factory shipments.
5. The Seedman Easy Payment Plan permits you to pay for your new equipment out of additional income.
6. Every promise is kept at Seedman's.

Super-Service—The New Way

The old, shabby, dirty gasoline station won't do today. The modern, well-equipped, clean-looking filling station gets the business.

And this has been a wonderful change for the station owner. By making his place of business attractive and inviting, his customers "Get the Habit" of making all of their purchases from him.

The progressive filling station is truly a Super Service Station. It not only sells gasoline and accessories, but it also sells lubrication, car washing, tire service, brake service, battery service— in short, all of the car owner's regular requirements.

For this, we have equipment. And the outstanding source of supply in the East is SEEDMAN. Now is the time to visit our Permanent Equipment Exhibit in the SEEDMAN BUILDING, and confer with one of our Sales Engineers. He is trained to show you how to improve your station, and how the equipment you purchase requires practically no investment but is paid for out of profits.

See him TODAY — just phone Sterling 8100 and ask for Equipment Sales Department.

Seedman for EQUIPMENT
—and *Service*

AIR SERVICE SECTION

EARN PROFITS WITH AIR

Today successful service stations everywhere are earning big profits with air compressors.

Here are some of the things you can do with air at a substantial profit:

1.—Lubricating springs
2.—Cleaning motors
3.—Drying cars after washing
4.—Paint spraying
5.—Operating grease guns, lifts, and other equipment

However, it is essential that you select the right size of compressor to suit your requirements. Selecting the wrong one usually means lost profits and much inconvenience.

Our sales engineers are at your service without cost. They will properly advise you what size of compressor you need.

And, in connection with dispensing air for tire inflating be sure to install the Eco Air Station - "*The Station That Rings The Bell*". This is one of the best advertisements you can possibly invest in. It tells your customers that you are equipped to serve them well and that you are catering to their convenience. Every up-to-date station must have an Eco.

Precision Made ECO Automotive Servicing Equipment

ECO AUTOMATIC AIR STATIONS

"the station that rings the bell"

ECO Automatic Inflator

Tire inflation is automatic from 20 to 70 pounds pressure. Simply turn pointer to desired pressure — attach hose to tire — then wait until bell stops ringing — that's all. Inflation is quick and accurate.

High Pressure Feature

To obtain air in excess of 70 pounds pressure — turn pointer to red line and air will flow direct from tank to tire without automatic pressure control — a valuable feature for high pressure truck tires, etc.

Automatic Hose Reel

The automatic reel returns the hose into the protective housing when not in use, winding it in true coils without pinching or kinking. Prevents damage from abuse.

Protective Housing

When not in use the hose is protected by a weather proof steel housing. The life of hose is very greatly increased since it is protected from wind, rain or hot sun.

Self-Lubricating Guide Rollers

The hose is carried into reel through four guide rollers, allowing it to enter or leave freely from any direction without chafing or wearing on hose. Rollers are mounted on Tobin Bronze pins and are self-lubricating.

Illuminated Dial

White enameled dial — protected by plate glass — is indirectly illuminated. Its attractive appearance and convenience for night service are much appreciated by customers.

Automatic Bell Signal

A bell signal sounds while air is flowing to tire and stops ringing when inflation is complete. This characteristic bell signal is found only on ECO Tire Inflators because of their patented construction.

Automatic Shut-Off Valve

A valve, operated by the hose reel, is opened when the first two feet of hose are pulled out. When hose returns to reel, air is automatically shut off from air station. Prevents waste of air and electric power, as well as unnecessary wear on compressor.

Complete Lubrication

Automatic tire inflator mechanism has felt wick oilers throughout. Hose reel has alemite fittings for pressure lubrication—motor spring operates in a sealed oil bath. With ordinary care mechanism will last for years under constant service.

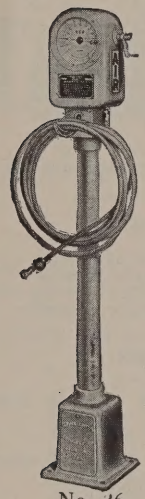
		Net Trade Price
No. 19	(Without light)	**$130.00**
No. 20	(With light)	**140.00**

Precision Made ECO Automotive Servicing Equipment

TRADE MARK REG. U.S. PAT. OFF.

ECO AUTOMATIC AIR STATIONS

"the station that rings the bell"



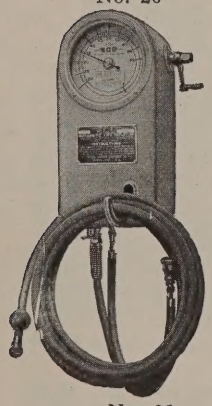
No. 26

No. 26
Eco Automatic Air Post

Designed for installation where there is not sufficient space for Model 20 or 19. Has Eco automatic tire inflator, bell signal, indirectly illuminated dial and air cleaner. Equipped with 25 feet of Eco red air hose. Hose hook operates cut-off valve which shuts off air from inflator when hose is placed on hook.

Height 5 feet 3 inches.

No. 26 Net Trade Price $87.60



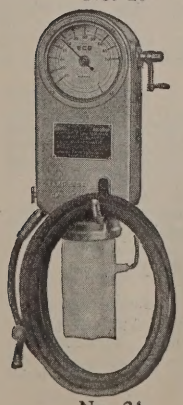
No. 25

No. 25
Eco Automatic Tire Inflator (Wall Type)

Designed for wall installation. Equipped with Eco automatic tire inflator, bell signal, air cleaner and hook-operated cut-off valve. Has indirectly illuminated dial and 25 feet of Eco red air hose. Back cover is hinged so that case may be readily opened for mounting, inspection or adjustment.

Hose hook projects 12 inches from wall.

No. 25 Net Trade Price $73.60



No. 24

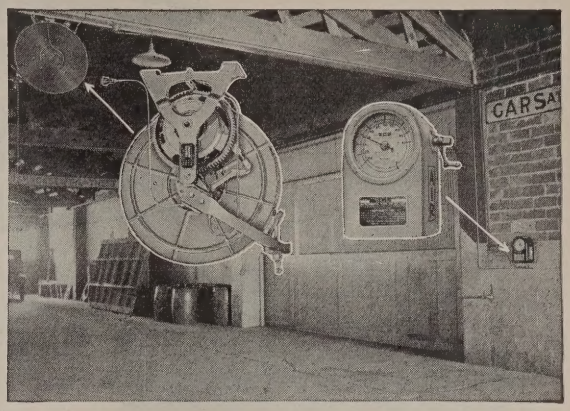
No. 24
Eco Automatic Tire Inflator (Post Type)

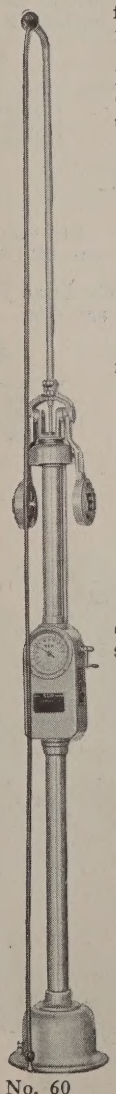
Designed to screw on top of ordinary pipe post. Equipped with Eco automatic inflator, bell signal, air cleaner, hook-operated cut-off valve and indirectly illuminated dial. Has 25 feet of red air hose. Furnished threaded for 2½, 3, 3½, or 4 inch pipe.

No. 24 Net Trade Price $73.60

Water Connections

Nos. 19, 20 or 26 can be supplied with water connection including 12½ feet of water hose with fittings, hose hook and self closing faucet at $5.00 extra.





No. 60

No. 29
Combination Inflator & Ceiling Reel

Designed to give automatic inflator service for inside installations and to take up minimum space.

It is a combination of the No. 31 Ceiling Reel and No. 28 Automatic Tire Inflator. Comes fully equipped with all necessary tubing to make complete installation.

No. 29 Net Trade Price $108.00

No. 30 Ceiling or Wall Reel

This is the same reel as used on Nos. 19 and 20 Air Stations. Designed for installation on the ceiling or wall.

Comes equipped with 32 feet of heavy red air hose, which is automatically wound in the reel when not in use. Air is automatically shut off from hose when wound on reel. Has same appearance as reel shown in No. 29 Combination.

No. 30 Net Trade Price $50.00

No. 31 Ceiling Reel

Exactly the same as No. 30 except that it does not have the automatic cut-off feature, shown in illustration of No. 29 Combination.

No. 31 Net Trade Price $40.00

No. 60 Eco Automatic Air Tower

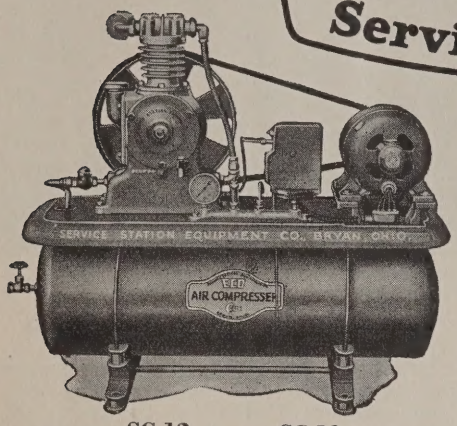
Designed for the dealer who prefers an overhead tower to reel or post type air station. Equipped with Eco automatic tire inflator, air cleaner and 20 feet of Eco red air hose. Has indirectly illuminated dial. Automatic cut-off eliminates air line pressure from inflator mechanism and hose when arm is in a vertical position. Top of tower is full rotating mounted on ball bearings—hose won't twist or wear from friction—design of service arms permits hose to rotate within the tubing. Height 13 feet.

No. 60 Net Trade Price $115.00

COLORS — Red is standard color on all ECO Equipment. Special colors can be furnished at $5.00 net extra.

Precision Made ECO Automotive Servicing Equipment

AIR COMPRESSORS



SC-12 - SC-13

SINGLE STAGE COMPRESSORS

Are recommended for working pressures not in excess of 150 lbs.

SC-13—for private use or small garages and service stations having only occasional demands for tire inflating; for laboratory work, operation of thermostatic controls, etc.

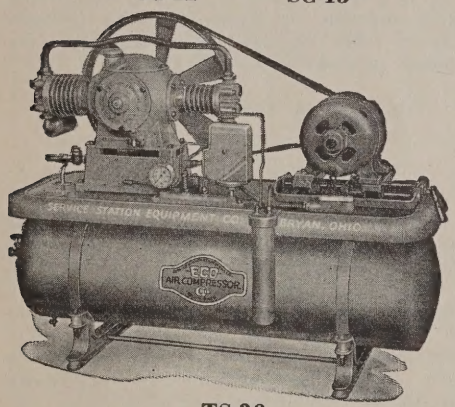
Specifications and Net Trade Prices - SC-13

1/3 H.P. Motor, 1.8 cu. ft. displacement, Tank 12 x 36 inches.	
110-220 Volt, 2 or 3 phase, 60 cycle, net trade price	**$130.00**
110-220 Volt, single phase, 60 cycle, net trade price	**130.00**
115-230 Volt, Direct Current, net trade price	**130.00**

SC-12—the popular unit for small garages and service stations having only a limited demand for air.

Specifications and Net Trade Prices - SC-12

½ H. P. Motor, 2.7 cu. ft. displacement, Tank 14 x 48 inches	
110-220 Volt, 2 or 3 phase,, 60 cycle, net trade price	**$140.00**
110-220 Volt, single phase, 60 cycle, net trade price	**140.00**
115-230 Volt, Direct Current, net trade price	**140.00**



TS-30

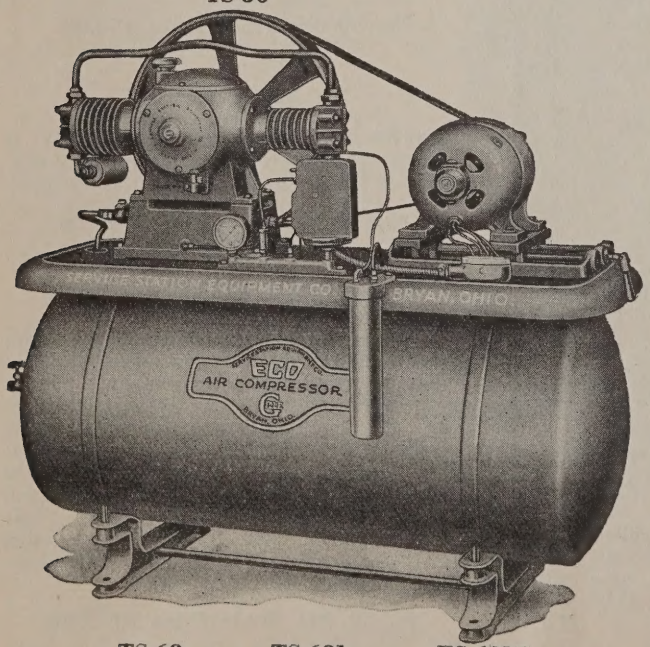
DE LUXE TWO STAGE COMPRESSORS

Are exceptionally smooth and quiet. Adapted for a working pressure of 175 pounds.

De Luxe TS-30—for service stations, garages and tire shops of average size.

Specifications and Net Trade Prices - TS-30

¾ H.P. Motor, 3.4 cu. ft. displacement, Tank 14 x 48 inches	
110-220 Volt, 2 or 3 phase, 60 cycle, net trade price	**$212.00**
110-220 Volt, single phase,, 60 cycle, net trade price	**212.00**
115-230 Volt, Direct Current net trade price	**212.00**



TS-60 - TS-601 - TS-6015

TS-60—same as TS-30 except tank of double size, providing greater air storage capacity to tide over rush periods.

Specifications - TS-60

	net trade price
¾ H.P. Motor, 3.4 cu. ft. displacement, Tank 20x48 in.	
110-220 Volt, 2 or 3 phase, 60 cycle	**$230.00**
110-220 Volt, single phase, 60 cycle	**230.00**
115-230 Volt, Direct Current	**230.00**

TS-601—exactly like TS-60 except having 1 H. P. motor, giving 30% greater compressing capacity and speed. For demands above average, bus and truck tire inflation.

Specifications - TS-601

	net trade price
1 H. P. Motor, 4.5 cu. ft. displacement, Tank 20x48 in.	
110-220 Volt, 2 or 3 phase, 60 cycle	**$244.00**
110-220 Volt, single phase, 60 cycle,	**244.00**
115-230 Volt, Direct Current	**244.00**

TS-6015—exactly like TS-601 except having 1½ H. P. motor, giving still greater speed and capacity.

Specifications - TS-6015

	net trade price
1½ H.P. Motor, 5.75 cu. ft. displacement, Tank 20x48 in.	
110-220 Volt, 2 or 3 phase, 60 cycles	**$248.00**
110-220 Volt, single phase, 60 cycle,	**265.00**
115-230 Volt, Direct Current	**285.00**

THE RED COMPRESSOR WITH GENERAL ELECTRIC MOTOR

AIR Precision Made ECO Automotive Servicing Equipment COMPRESSORS

The ECO-MATIC PATENTED TANK DRAINER

The most valuable air compressor improvement in recent years. Standard Equipment on all Eco Compressors

The ECO-MATIC Tank Drainer — an exclusive feature—absolutely eliminates the nuisance common to all air compressors — the accumulation of oil, moisture and dirt in air tanks.

It drains the tank free of all dirt, oil, and water *automatically,* at the conclusion of each pumping operation, *in addition* to discharging the condensation chamber in the base of the compressor, permitting an easy no-load start for the next operation.

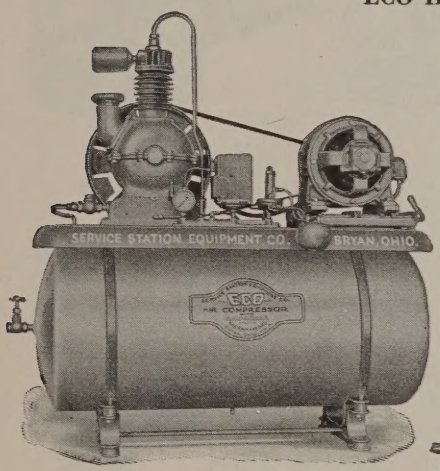
ECO alone has this valuable patented feature which

Prevents:
Clogging or freezing of air pipes; injury to tire valves or inner tubes; interference with satisfactory operation of pneumatic tools, automatic tire inflators, paint spray equipment, etc.

Keeps:
Air system and air-operated equipment in continuous trouble-free operation and reduces cost of maintenance service.

Assures:
The kind of compressed air service that is economical, dependable and profitable.

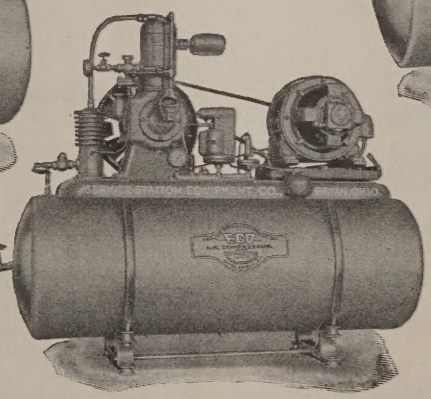
ECO HEAVY DUTY AIR COMPRESSORS



SE-Single Stage Heavy Duty

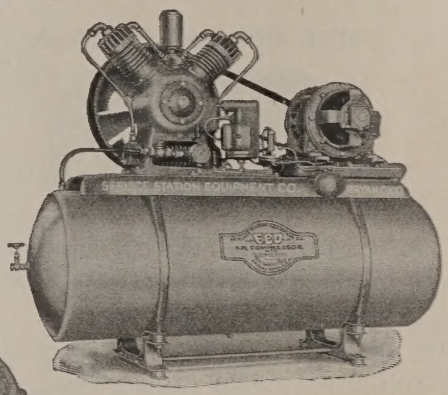
SE-60 —single cylinder, air cooled compressor for service stations and tire shops having heavy demands for air. 60 gallon tank.
SE-30 —same as SE-60 except with 30 gallon tank. 1 H. P. Motor.

SF-763 Heavy Duty, Water Cooled



SF-763 —twin cylinder, water cooled compressor for continuous service in large garages, super service stations and tire shops having heavy sustained demands for air; also well adapted to factory and industrial uses within the limits of its capacity.

Automatic water valve allows water to circulate only when compressor is operating and drains cylinder block and head each time compressor stops. Prevents freezing.



SH-762 Heavy Duty, Air Cooled

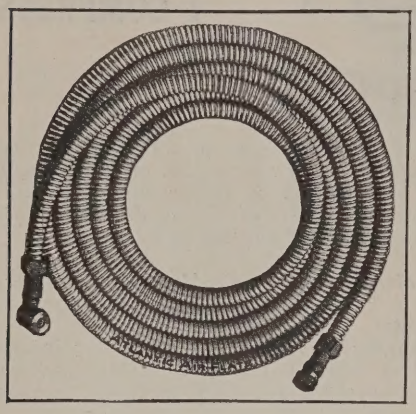
SH-762 —two-cylinder "V" type, exceptionally well built, air-cooled, heavy duty compressor. Counterbalanced crank shaft on Timken roller main bearings. For super service stations using air in large volume; for rotary lifts, gas pumps, pressure lubricating systems, spring oiling, etc., also ideal general purpose unit for large garages.

Model No.	Cu. Ft. Displacement	Motor H. P.	Size Tank Inches	Shipping Weight	A. C. 60 Cy. 2 or 3 phase 220 Volt	A. C. 60 Cy. Single Phase 220 Volt	D. C. 115 Volt 230 Volt
SE-30	4.6	1	14x48	530	$230.	$230.	$230.
SE-60	7.0	1½	20x48	630	240.	260.	280.
SH--762 Air-cooled	8.8	2	20x60	850	325.	355.	390.
SF-763 Wat. cooled	12.0	3	20x60	930	375.	440.	500.

THE RED COMPRESSOR WITH GENERAL ELECTRIC MOTOR

AIR LINE ACCESSORIES AND ENGINE CLEANERS

AIR FLATE METAL HOSE

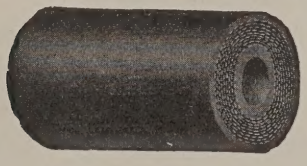


Made of steel and is practically indestructible — stands the highest air pressure and is particularly adapted for garage and air service stations.

25 ft. length, with couplings .....Net, $8.75
50 ft. length, with couplings .....Net, 15.00
Couplings—Union and Automatic Air Chuck.

Per Set, Net, $2.25

BULL DOG AIRLINE HOSE

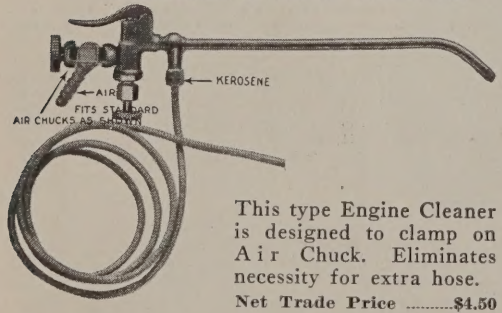


Extra quality 5-ply hose for high pressure air service and especially adapted for all makes of air compressors.

Sizes	1/4"	5/16"	3/8"
Per Foot, Net	$0.15	$0.16	$0.18

Furnished in 25 and 50 foot lengths.

AMERICAN ENGINE CLEANER



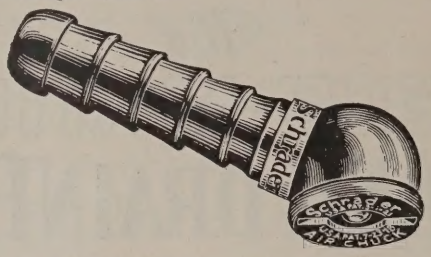
This type Engine Cleaner is designed to clamp on Air Chuck. Eliminates necessity for extra hose.

Net Trade Price $4.50

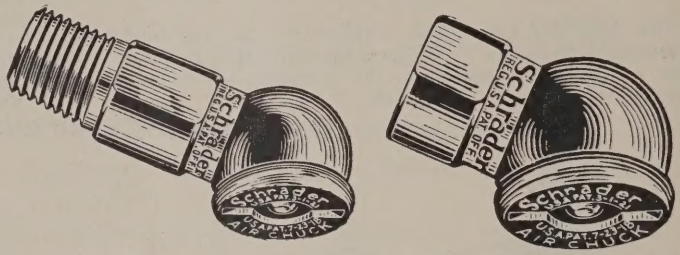
THE NEW SCHRADER AIR CHUCK

with All-Metal Body

There is a Schrader Chuck to fit every hose. Also supplied with 1/4-inch male and female threaded shank for all couplings. In ordering be sure to specify sample number:



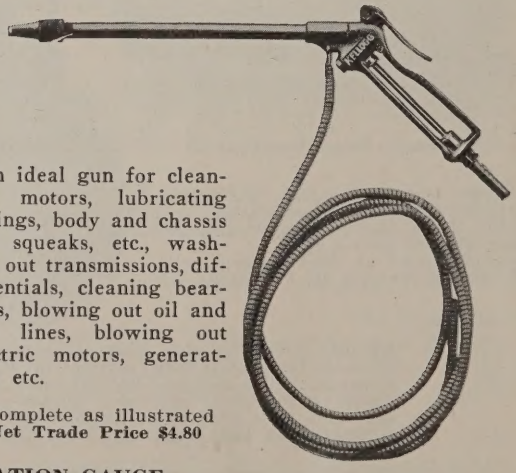
No. 5492 for 1/2-inch inside diameter hose.
No. 5493 for 3/8-inch inside diameter hose.
No. 5494 for 5/16-inch inside diameter hose.
No. 5495 for 1/4-inch inside diameter hose.
No. 5500 for 3/16-inch inside diameter hose.



No. 5497 with 1/4-inch male pipe thread.
No. 5498 with 3/8-inch male pipe thread.
No. 5499 with 1/4-inch female pipe thread. Flats on shank permit quick change with wrench.

Schrader Air Chucks are packed 10 boxes to a carton, each box containing 1 Chuck with two extra rubber washers. **Net Trade Price, all numbers** .....$.65

KELLOGG ENGINE CLEANER



An ideal gun for cleaning motors, lubricating springs, body and chassis for squeaks, etc., washing out transmissions, differentials, cleaning bearings, blowing out oil and gas lines, blowing out electric motors, generators, etc.

Complete as illustrated
Net Trade Price $4.80

SCHRADER SERVICE STATION GAUGE

A heavy duty gauge designed to stand abuse and test pressure in all tires from 10 to 160 lbs. **Net Trade Price $3.00**

LAUNDRY SERVICE SECTION

No longer do we find car washing looked upon as a nuisance and a service that is compulsory to render to garage customers demanding this service.

Today we find the automobile laundry business developed to a point where it is one of the most profitable branches of the automotive industry.

Consumers are demanding that their cars be washed by the most modern high-pressure equipment under such conditions that they can be assured of a thorough and satisfactory job.

The modern automobile laundry with its washing equipment, vacuum cleaning equipment, drying equipment and polishing equipment has developed to such a point that the automobile owner is particular whom he patronizes for this service.

The old method of washing and drying cars by hand is passing rapidly. No service station of today would think of pumping up tires with a hand pump and likewise, no garage owner can possibly expect to retain his trade in the face of this competition.

The advent of the car washer brought with it an opportunity for every service station to incorporate in its present set-up an opportunity of vastly increasing profits without greatly increasing overhead.

By the Seedman Easy Payment Plan the equipment necessary will pay for itself out of the additional profits earned.

Our engineers are thoroughly equipped to advise you as to lay-out and complete information. There is no charge for this service.

THE HARDIE "STANDARD" ONE-GUN CAR WASHER

Here is the most sensational one-gun washer in today's market. Specially designed and built to provide a low-priced unit for the small garage and fleet owner. It delivers 5 gallons per minute at 300 lbs. pressure. It comes to you entirely complete with suction and discharge hose, and Hardie gun; there is absolutely no assembly to be made, merely connect wire to switch. Lubricated by an automatic oiling system. Silent chain drive. It is equipped with our famous Peerless Pressure Control that holds the pressure right at 300 lbs. or wherever set, and which also acts as a safety valve. This regulator is built in and fastened securely to the pump bed — not "piped on" as in other makes of washers.

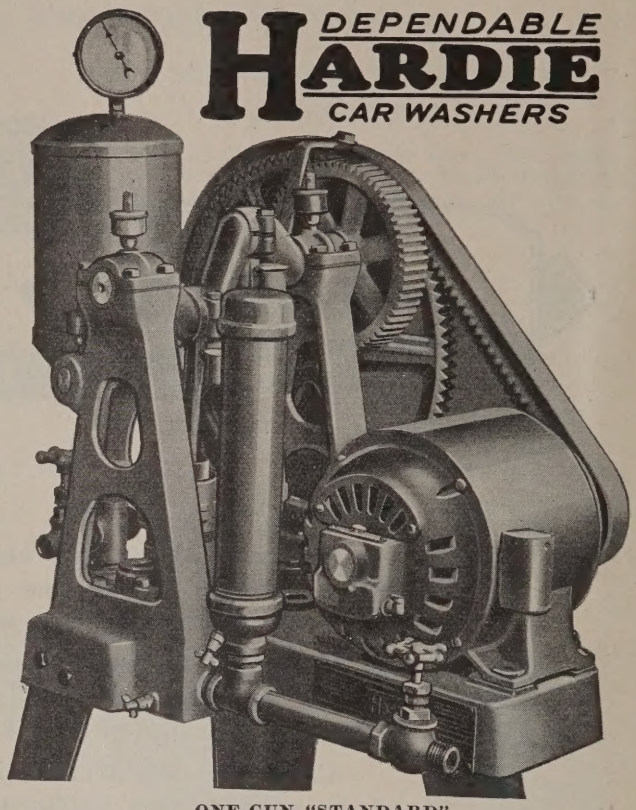
Specifications

Cylinders—2—Diameter 2 in.
Stroke—3 in.
Pump Speed—56 R.P.M.
Pressure—300 lbs.
Motor—1 H. P. enclosed type.
Drive—Silent chain.
Hose—1—25 ft. line ½ in. high pressure.
Gun—1 Hardie gun.
Soap Equipment—Not Furnished.
Shipping Weight—360 lbs.

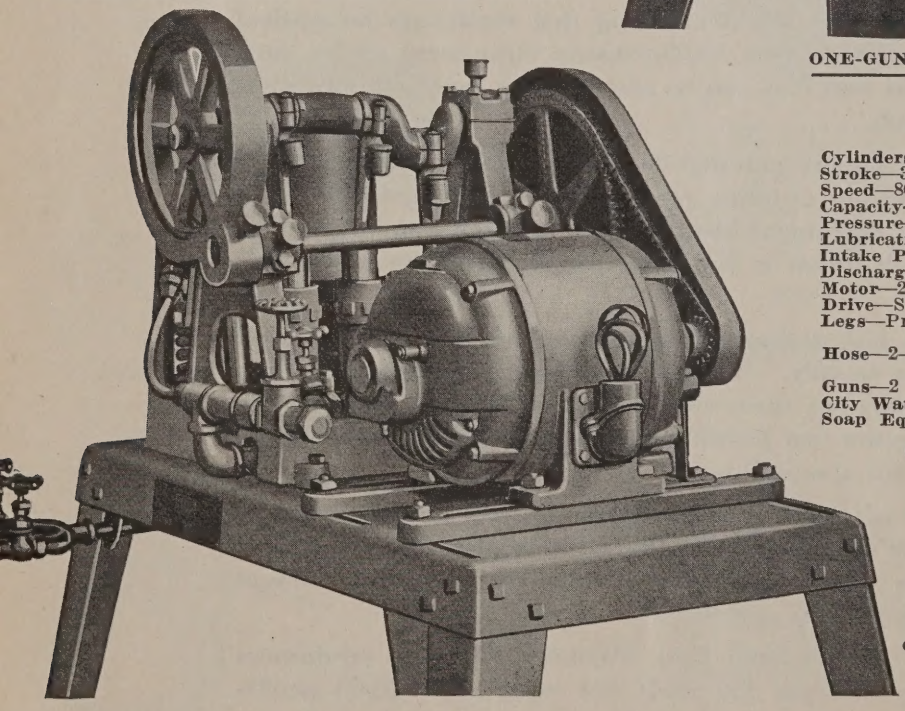
"STANDARD" ONE-GUN OUTFIT

H.P.	Current	Voltage	Phase	Cycle	Net Price
1	AC	220,440 or 550	2 or 3	60	$225.00
1	AC	110, 220	1	60	$225.00
1	DC	115 or 230			$250.00

F.O.B. Hudson, Michigan



ONE-GUN "STANDARD"



Specifications

Cylinders—3—Diameter 2½ in.
Stroke—3 in.
Speed—80 R. P. M.
Capacity—9 gallons per minute.
Pressure—300 lbs.
Lubrication—Automatic Wick Oilers
Intake Piping—1 in., galvanized.
Discharge Piping—¾ in., galvanized.
Motor—2 H.P. Standard enclosed type.
Drive—Silent chain on steel sprockets.
Legs—Pressed steel. 30 in. (48 in. optional).
Hose—2—25 ft. lines high pressure coupled.
Guns—2 Hardie Guns.
City Water Intake—15 ft. of ¾ in. hose.
Soap Equipment—Suction line and strainer.
Shipping Weight—625 lbs.

Extras:
Spare Parts, 7 ft. heavy canvas oil painted sign, tools, motor starter switch.

THE HARDIE "STANDARD" TWO-GUN CAR WASHER

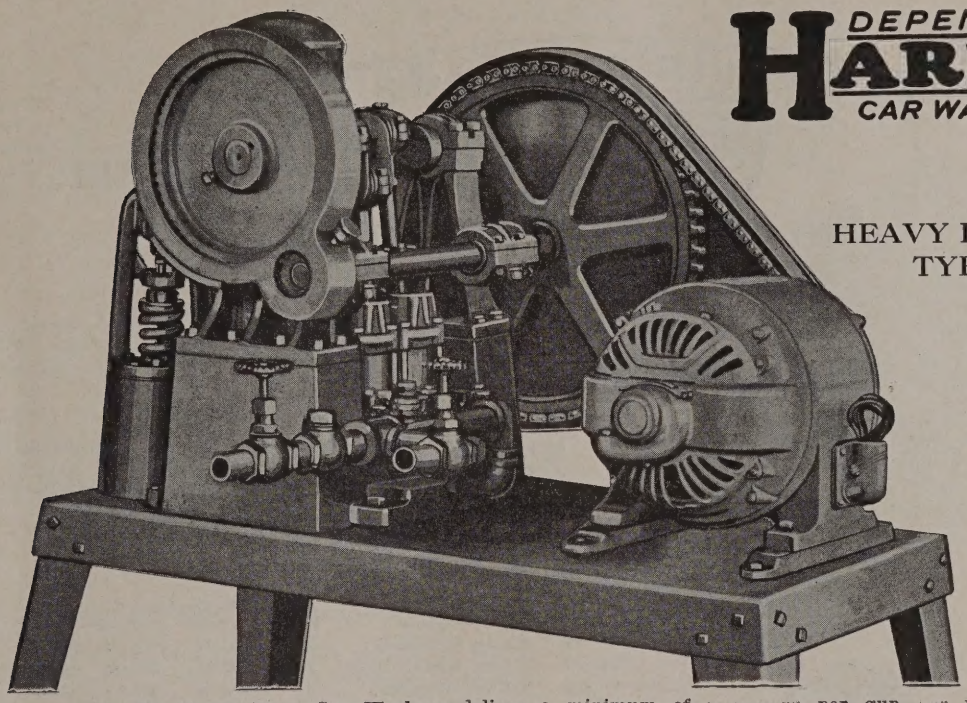
The "Standard" line of washers is designed for the small garage or fleet owner that is not washing continuously. While of as big or bigger capacity than other makes of two-gun outfits, and while as heavy and sturdy in construction as other makes, we recommend the Hardie **Heavy Duty** Two-Gun to those purchasers who wash a large number of cars per day.

It is built of the same high class materials as our other washers and is equipped with our Peerless Pressure Control and other exclusive Hardie features.

"STANDARD" TWO-GUN OUTFIT

Motor	Current	Voltage	Phase	Cycle	Net Price	
2 H.P.	AC	220, 440 or 550	2 or 3	60	$330.00	F.O.B. Hudson, Michigan
2 "	AC	220, 440 or 550	2 or 3	25	345.00	
2 "	AC	110 or 220	1	60	355.00	
2 "	DC	115 or 230			397.00	

DEPENDABLE HARDIE CAR WASHERS



HEAVY DUTY TYPES

Hardie Heavy Duty Car Washers deliver a minimum of 6 gallons per gun per minute at 300 pounds pressure. The powerful 3-cylinder pump delivers this capacity at a speed of only 65 revolutions per minute. The lubricating system is positive and automatic. Hardie One Ring Oilers on the main bearings give ample lubrication at all times. Silent chain drive on cut steel sprockets transmits the power from the standard enclosed type motor.

ONE GUN HEAVY DUTY SPECIFICATIONS

Cylinders—Three—Diameter 2 in.
Stroke—2¾ in.
Pump Speed—50 R. P. M.
Capacity—6 gallons per minute.
Pressure—300 lbs.
Lubrication—Automatic Wick Oilers.
Intake Piping—¾ in. galvanized.
Motor—1½ H. P. Standard enclosed type.
Drive—Silent chain on steel-cut sprockets.
Legs—Pressed steel, 30 in. (48 in. optional).
Hose—One 25 ft. of ½ in. high pressure.
Gun—One Hardie gun.
City Water Intake—6 ft. of ¾ in. hose.

Extras: Spare parts, one 7 ft. heavy canvas oil painted sign, tools, motor starter switch.

Motor	Current	Voltage	Phase	Net Price	
1½ H.P.	AC	110, 220, 440 or 550	2 or 3	$280.00	F.O.B Hudson, Michigan
1½ "	AC	110 or 220	1	295.00	
1½ "	DC	115 or 230		337.00	
Less motor and starter, otherwise complete				230.00	

TWO GUN HEAVY DUTY SPECIFICATIONS

Cylinders—Three—Diameter 2½ in.
Stroke—3 in.
Pump Speed—65 R. P. M.
Capacity—12 gallons per minute.
Pressure—300 lbs.
Lubrication—Ring and Automatic oilers.
Intake Piping—1 in. galvanized.
Motor—3 H. P. Standard enclosed type.
Drive—Silent chain on steel sprockets.
Legs—Steel, 30 in. (48 in. optional).
Hose—2—25 ft. of ½-inch high pressure.
Guns—2 Hardie Guns.
City Water Intake—15 ft. of ¾ in. hose.

Extras: Spare parts, one 7 ft. heavy canvas oil painted sign, tools, motor starter switch.

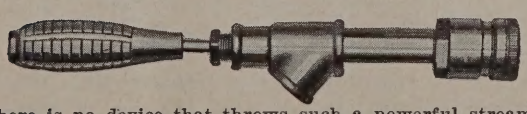
Motor	Current	Voltage	Phase	Net Price	
3 H.P.	AC	220, 440 or 550	2 or 3	$380.00	F.O.B. Hudson, Michigan
3 "	AC	110 or 220	1	440.00	
3 "	DC	115 or 230		460.00	
Less motor and starter, otherwise complete				310.00	

FOUR GUN HEAVY DUTY SPECIFICATIONS

Cylinders—Three—Diameter 2¾ in.
Stroke—3¼ in.
Pump Speed—60 R. P. M.
Capacity—16 gallons per minute.
Pressure—300 to 400 lbs.
Lubrication—Ring oilers and Automatic oilers.
Intake Piping—1¼ in., galvanized.
Motor—5 H. P. Standard enclosed type.
Drive—Silent chain on steel sprockets.
Legs—Pressed steel. 30 in. (48 in. optional).
Hose—4—25 ft. lines, ½ in. high pressure.
Guns—4 Hardie guns.
City Water Intake—15 ft. of ¾ in. hose.

Extras: Spare parts, one 7 ft. heavy canvas oil painted sign, tools, motor starter switch.

H.P.	Current	Voltage	Phase	Cycle	Net Price	
5	AC	220, 440 or 550	2 or 3	60	$550.00	F.O.B. Hudson, Michigan
5	AC	110 or 220	1	60	645.00	
5	DC	115 or 230			655.50	
Less motor and starter, otherwise complete					460.00	



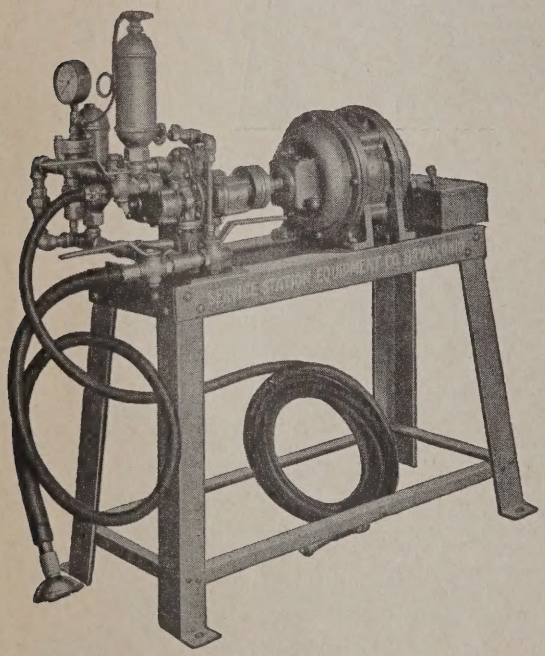
There is no device that throws such a powerful stream as the Hardie Gun, or that can be regulated as easily or as quickly. A quarter turn of the handle changes the stream from a driving stream that remove the caked, grease-soaked mud from the fenders and chassis like magic, to the softest, finest spray which will not injure the most delicate body surface. The Hardie Gun is made in two lengths. The short gun, fourteen inches long, is generally preferred, it being more convenient to use on the chassis. Long gun is thirty inches long.

Specifications and prices on larger outfits on application.

CAR Precision Made ECO Automotive Servicing Equipment WASHER

HIGH PRESSURE ROTARY TYPE

ECO ROTARY CAR WASHER employs a rotary type pump similar to pumps used successfully in fire-fighting apparatus and marine service for years. Designed to meet the demand for more dependable and efficient high pressure car washer equipment. The ECO pump throws a smooth continuous stream without pulsations—does better work and requires practically no service attention.



NET TRADE PRICES

Model	Description	H.P.	60 Cycle, A.C. 3 Phase	1 Phase	D.C.
WS -115	1 Gun Standard	1½	$265.00	$285.00	$335.00
WH-13	1 Gun Heavy Duty	3	330.00	385.00	435.00
WS -23	2 Gun Standard	3	365.00	415.00	465.00
WH-25	2 Gun Heavy Duty	5	435.00	545.00	595.00
WS -45	4 Gun Standard	5	495.00	605.00	655.00

STANDARD EQUIPMENT

GUNS AND HOSE: Standard equipment includes 1, 2, 3, or 4 Guns and High Pressure Hose Assemblies depending upon rated Gun capacity. Hose length 25 ft. each.

Three 3/32" orifice discs supplied with all Standard Guns. Three 9/64" orifice discs supplied with all Heavy Duty Guns.

INTAKE HOSE: All models furnished with a length hose and all necessary fittings for connecting equipment to city water supply line. The use of this hose eliminates excessive noise in pipes.

(Note — Suction Hose Assemblies listed under "Extra Equipment.")

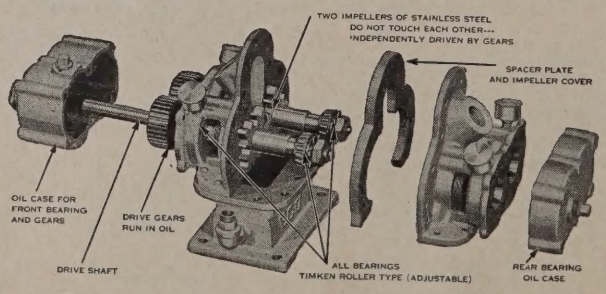
MOTORS: Three-phase motors equipped with starting switch and thermal protection fuses. Starting Rheostat with low voltage release supplied with all Direct Current Motors.

EXTRA EQUIPMENT

A-600, SUCTION HOSE ASSEMBLY: 6½ Ft. ¾" hose with necessary fittings and strainer for models WS-115 and WS-23 ..... Net trade price $6.50

A-601, SUCTION HOSE ASSEMBLY: 6½ Ft. 1" hose with necessary fittings and strainer for models WS-25 and WS-45 ..... Net trade price $7.25

These suction Hose Assemblies not necessary when Washer is connected direct with city water line but are for use in taking water, cleaning solutions, etc., from barrel or other container.


TWO IMPELLERS OF STAINLESS STEEL DO NOT TOUCH EACH OTHER... INDEPENDENTLY DRIVEN BY GEARS
SPACER PLATE AND IMPELLER COVER
OIL CASE FOR FRONT BEARING AND GEARS
DRIVE GEARS RUN IN OIL
DRIVE SHAFT
ALL BEARINGS TIMKEN ROLLER TYPE (ADJUSTABLE)
REAR BEARING OIL CASE

EXTRA GUN EQUIPMENT

CW-3254-S Standard Gun - Net trade price $15.00
CW-3254-H Heavy Duty Gun - Net trade price 15.00
25 Ft. High Pressure Water Hose Assembly with fittings ..... Net trade price 12.50

ANOTHER ADVANTAGE

We operate our own Service Department. This assures Seedman customers of the use of their equipment 365 days of the year.

WEAVER AUTO WASHERS

Weaver Auto Washers are designed for shops which appreciate the longer and more satisfactory service only quality equipment can give. Produced after exhaustive study of the practical as well as technical problems involved, they are extremely reliable, durable and silent, compact in design and occupy small space.

Ample Pressure and Volume

Special care has been used to design a washer that will afford ample pressure and volume, which are essential for washing cars quickly and thoroughly.

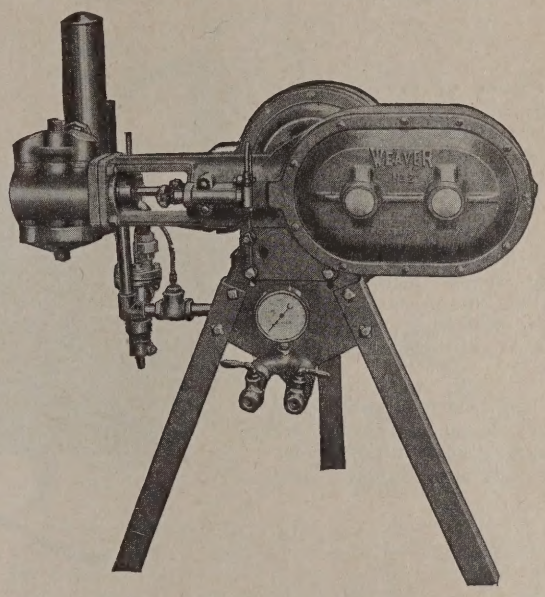
The One-Gun Washer is operated by a 1½ h. p. motor and delivers 6 gallons a minute at 300 to 350 pounds pressure.

The Two-Gun Washer is operated by a 3 h. p. motor and delivers 12 gallons a minute at 300 to 350 pounds pressure. Both pumps are tested to 500 pounds pressure. Solution tank can be used, if desired.

Unusual Accessibility an Outstanding Feature

An outstanding feature of the design of Weaver Auto Washers is the immediate accessibility of every part. The single cylinder, double acting pump can be disassembled and reassembled, when necessary, in a few minutes. To get at either valve chamber it is necessary to remove only one nut. The valves are thin, flat discs, with long stems or guides which prevent any spinning or wobbling when opening or closing, thus preventing leakage and insuring long life. All gaskets are of copper and are made so they cannot blow, even under extreme pressure. While the valves and packing are designed to give the longest possible service, it may be desirable to replace them after extreme use and their accessibility, as previously described, makes this an easy matter of a few minutes.

No. 1 — One Gun **No. 2 — Two Gun**



Weaver Washers are extremely efficient, reliable, durable and silent and compact in design. Special care has been used to afford ample pressure and volume, which are essential for quick and thorough car washing.

A unique feature of the Weaver Washer is the use of aerated water. This washer introduces a predetermined volume of air into the water and thoroughly mixes the two under high pressure, throwing a stream of water in which air is present in such fine particles it actually reaches the work. On reaching the surface of the car these tiny air bubbles act as a cushion for the water and, in expanding, lift off the dirt without harming the finest finish.

EQUIPMENT REGULARLY SUPPLIED

— With One Gun Washer

1½ h. p., 220 volt, 3 phase, 60 cycle motor.

6 ft. ¾ inch flexible hose to connect intake to supply line, which affords easy connection and prevents vibration between pump and water main.

8 ft. 1 inch hose with strainer for solution tank.

25 ft. best grade ½ inch high pressure car washing hose.

One combination gun.

One complete set extra leather plungers and gaskets.

V connection to enable water from supply line or solution from tank to be used.

No. WO10 Weaver One-Gun Auto Washer, Code "Wafer," shipping weight, 400 lbs.

— With Two Gun Washer

3 h. p., 220 volt, 3 phase, 60 cycle motor.

6 ft. 1 inch flexible hose to connect intake to supply line, which affords easy connection and prevents vibration between pump and water main.

8 ft. 1 inch hose with strainer for solution tank.

Two 25 ft. sections best grade ½ inch high pressure car washing hose.

Two combination guns.

One complete set extra plungers and gaskets.

V connection to enable water from supply line or solution from tank to be used.

No. WO11, Weaver Two-Gun Auto Washer, shipping weight, 460 lbs.

NET TRADE PRICES

No. 1 — 1 Gun

1½ H. P.	110 or 220 V.	3 Phase	60 Cycle	$325.00
1½ "	110 or 220 V.	2 Phase	60 Cycle	330.00
1½ "	110 or 220 V.	Single Phase	60 Cycle	350.00
1½ "	115 or 230 V.	Direct Current		355.00

No. 2 — 2 Gun

3 H. P.	110 or 220 V.	3 Phase	60 Cycle	$425.00
3 "	110 or 220 V.	2 Phase	60 Cycle	430.00
3 "	110 or 220 V.	Single Phase	60 Cycle	473.00
3 "	115 or 230 V.	Direct Current		495.00

G. J. Seedman Co., Inc.

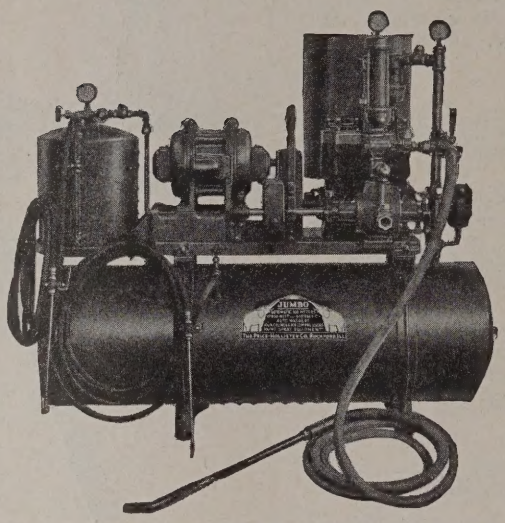
765 ATLANTIC AVE., BROOKLYN, N.Y. · · · STERLING 8100

JUMBO MASTER SPRAY MIST WASHER

Inside of car thoroughly cleaned with Jumbo Air Nozzle. Every crack and crevice reached — not a hiding place for dirt remains.

Motor and all grease-encrusted parts cleaned with the Jumbo Kerosene Gun which cuts grease and dirt so that following spray wash leaves polished surface finish.

Kerosene from special tank sprayed on the chassis and running gear instantly loosens dirt and oil and cuts rust.



Motor, chassis and inaccessible places are instantly dried with Jumbo Air Gun before rust can form.

Air is available for tire inflation—operation of doors, air hoists, etc., without separate compressor.

Scratches or mars in finish are easily covered with paint or lacquer sprayed on with air.

A fine air and water spray —soft as a fog yet penetrating completely — cleans the body and hood without the least injury to the finish.

Much more than a car washer — The Jumbo Spray-Mist Unit supplies every facility for a *complete* washing, cleaning and renovating service.

Kerosene under pressure is ready for engine cleaning, loosening dirt, dissolving grease or oil and cutting rust.

Air pressure — plenty of it — is supplied continuously for cleaning operations everywhere on a car, inside and out.

For *water cleansing* Spray Mist is ideal. Just what its name implies — a soft penetrating mist is sprayed by air pressure. Accurately directed, instantly adjustable from heavy to light right at the nozzle or "gun." By a twist of the wrist Spray-Mist *saves two-thirds of the water used for the average car washing and does better work*! When desired a flood of hot or cold soap, or other cleansing solution under pressure may be applied.

Air from the Unit for drying and vacuum cleaning does in a minute or two most of the heavy work of finishing that takes much longer by hand.

In addition to the complete cleaning, washing and renovating service briefly outlined in the preceding paragraphs, this Jumbo Unit serves and saves in numerous other ways, such as inflating tires; operating doors, air tools and hoists, spraying paint and polish, etc.

Some motorists are satisfied with the ordinary "wash" but a big percentage jump at the chance to have their cars thoroughly cleaned quickly by the better Spray-Mist method.

Equip to render a better service, a complete service, a popular service; one that saves time, increases customer satisfaction and produces handsome profits—install Jumbo Master Spray-Mist Unit.

SPECIFICATIONS and PRICES — *F. O. B. Rockford, Illinois*

Model CM 52-90

Jumbo Master Spray-Mist Washer

Model CM 51-90 — One Gun, 3 Phase, A. C. 60 Cycle, 110-220 Volt	**$695.00**
Model CM 52-90 — Two Guns, 3 Phase, A. C. 60 Cycle, 110-220 Volt	**$750.00**
For Single Phase A. C. 60 Cycle, 110-220 Volt — Add	**$120.00**
For D. C. 110-220 Volt — Add . . .	**$168.00**

1 Gun Net weight **1130 lbs.** Shipping weight **1280 lbs.**
2 Guns Net weight **1170 lbs.** Shipping weight **1320 lbs.**
Dimensions: **56″ long, 30″ wide and 60″ high.**
(Both Models are the same except number of Guns furnished)

Model BJ 30-60

Jumbo Junior Spray-Mist Washer — The Smaller Model (7½ ft. compressor—60 gallon tank 3 H.P. motor and without kerosene tank)

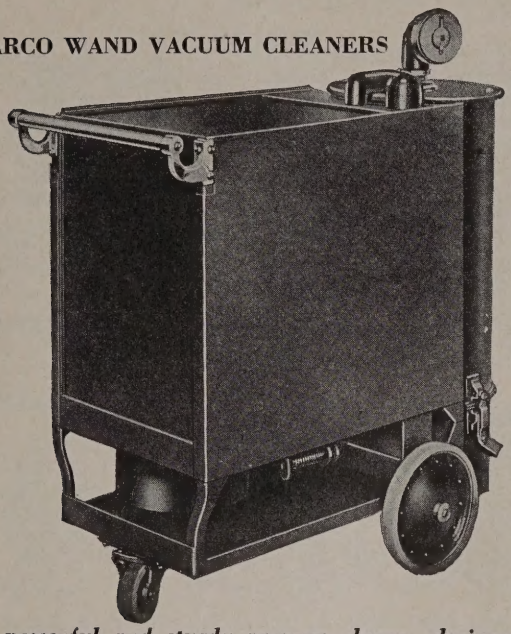
Model BJ 30-60 — 3 Phase A.C. 60 Cycle, 110-220 Volt	**$525.00**
For Single Phase A. C. 60 Cycle, 110-220 Volt — Add	**$ 65.00**
For D. C. 110-220 Volt — Add . . .	**$105.00**

Net weight **850 lbs.** Shipping weight **950 lbs.**

Dimensions: **50″ long, 22″ wide and 55″ high.**

VACUUM CLEANERS

ARCO WAND VACUUM CLEANERS



A powerful and sturdy vacuum cleaner designed especially for busy automobile laundries.

No. 4 PORTABLE CABINET TYPE

(One Horse Power — illustrated above)

Observation Glass and 25 Ft. Flexible Rubber Covered Cable attached to machine.

With the above machine we furnish the following:

25 Ft. Convolute Hose	Tuft Cleaner
Wand Handle	4 In. Renovator
10 In. Renovator	Round Duster
	5 In. Hand Brush

Net Trade Price, Complete *F. O. B. Factory* **$432.00**

SPECIFICATIONS

Vacuum	6 in. Hg.
Displacement	97 cu. in. per revolution
Pump Speed	1150 R.P.M.
Length	43 in.
Height	38 in.
Width	17½ in.
Width over axle shaft ends	22 in.
Weight, approximate	330 lbs.
Dirt Receptacle	1130 cu. in. capacity

Unit Completely Enclosed with Detachable Panels
Ball Bearing Wheels and Caster

No. 1 PORTABLE CABINET TYPE

(One-Half Horse Power)

Observation Glass and 25 Ft. Flexible Rubber Covered Cable attached to machine.

With the above machine we furnish the following:

25 Ft. Convolute Hose	4 In. Renovator
Wand Handle	Tuft Cleaner
10 In. Renovator	

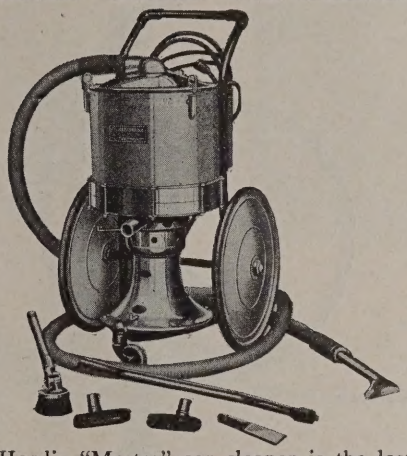
Net Trade Price, Complete **$354.00**

SPECIFICATIONS *F. O. B. Factory*

Length	43 in.
Height	38 in.
Width	17½ in.
Width over axle shaft ends	22 in.
Weight, approximate	300 lbs.
Vacuum	4.5 in. Hg.
Displacement	97 cu. in. per revolution
Pump Speed	900 R.P.M.
Dirt Receptacle	1130 cu. in. capacity

Unit Completely Enclosed with Detachable Panels
Ball Bearing Wheels and Caster

HARDIE "MASTER" CAR CLEANERS



The Hardie "Master" car cleaner is the last word in portable vacuum cleaner equipment, regardless of price.

The proven scientific principles upon which it is built, its sturdy construction and enormous capacity for continuous service at super speed is what recommends it to the auto laundries, service stations, taxi companies and fleet operators who must have thorough work done in the shortest possible time. To do this sort of work requires a machine of simple design, sturdy construction, and unquestioned wearing qualities.

The following specifications explain some of the outstanding qualities of the Hardie "Master" car cleaner.

SPECIFICATIONS

MOTOR — Large, oversize, specially designed, universal motor, operates on A. C. or D. C. current on any cycle up to 60. Furnished for either 110 or 220 volts.

BEARINGS — Specially hardened bronze, sleeve type, wool packed to insure perfect lubrication.

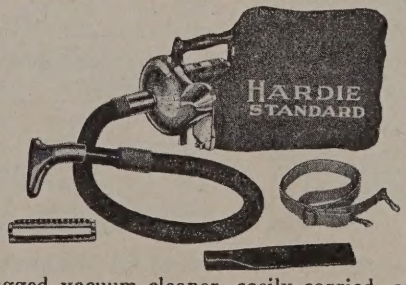
CAPACITY — Produces 33 inches of suction on water gauge and handles an enormous volume of air.

DUST SEPARATION — There is only one dust separation with no screens or buckets. All dirt deposited in one easily emptied container. All dust and dirt is separated from air before it passes through fans. (This is a patented feature.) No wear on fans.

DIMENSIONS — 37 inches high, 23 inches wide, weight 70 pounds.

Net Trade Price, Complete with attachments, F. O. B. Hudson, Mich. **$295.00**

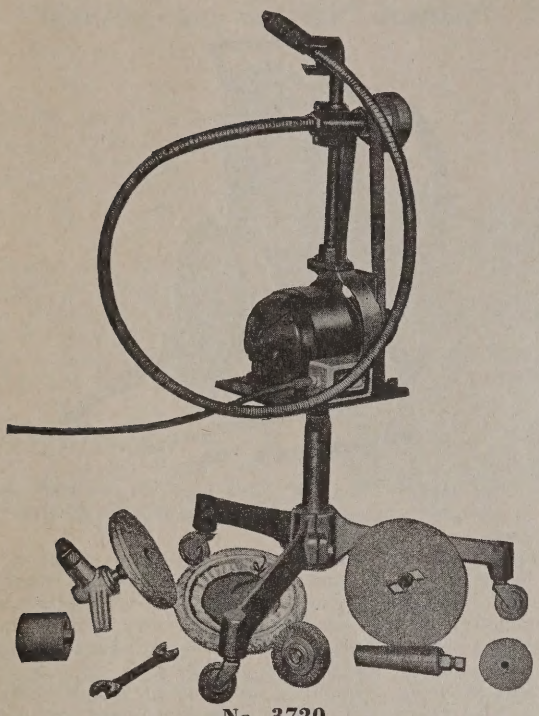
HARDIE "STANDARD" CAR CLEANER



A rugged vacuum cleaner, easily carried, equipped with General Electric Universal Motor, trigger type switch. Easily emptied.

Net Trade Price **$39.50**

ELLIOTT FLEXIBLE SHAFTS



No. 3720

No. 1720—No. 2 Elliott single speed Flexible Shaft Machine complete, ready for attaching tools, including 6′ Flexible Shaft with Ball Bearing Hand Piece and ¼ H.P., 110 Volt, 1725 R.P.M., 60 Cycle, Motor mounted on a High Pedestal. Shipping weight 95 pounds. Price. Net Trade **$70.00**

No. 1720D—With ¼ H.P., 110 V., 1750 R.P.M., DC Motor. Price, Net Trade **$80.00**

No. 1721—With ¼ H.P., 110 V., 3400 R.P.M., 60 Cycle Motor. Price, Net Trade..... **$80.00**

No. 7230—Elliott Angle Head — When attached to flexible shaft in place of regular hand piece gives positive control of tools. Full ball bearing construction in an exceedingly light and compact aluminum case. Rugged, hardened gears available in two to one ratio to give tool one-half speed of flexible shaft and one to one ratio for no reduction in speed.

For No. 2 Flexible Shaft Net Weight 2 lbs.

No. 7230—2 to 1 ratio .....Net trade **$35.00**
No. 7231—1 to 1 ratio .....Net trade **$35.00**

Machines with Angle Head less Hand Piece

No. 1720 ..... **$ 95.00**
No. 1720D and 1721 ..... **$105.00**

If Hand Piece is also required add **$10.00** each of these prices.

Model No. 3720

For body and fender work, rubbing and polishing lacquer, rust and paint removing, fine buffing.

Grinding, Drilling, Reaming, Polishing, Buffing.

No. 3720 — No. 2 Elliott 3-speed flexible shaft machine complete, ready for attaching tools, including 7 ft. flexible shaft with ball bearing hand piece and ¼ H. P., 110 Volt, 1725 R.P.M., 60 cycle Motor, on high pedestal base, with available speeds of 1100, 2100 and 3800 R.P.M.

Net Trade Price **$110.00**

No. 3720 D, with 110 V. D. C. Motor,

Net Trade Price **$110.00**

No. 1730—No. 3 Elliott single speed Flexible Shaft Machine complete, ready for attaching tools, including 6′ Flexible Shaft, Ball Bearing Hand Piece, and ½ H. P., 110 Volt, 1725 R.P.M., 60 Cycle, (Repulsion Induction) Motor mounted on a High Pedestal. Shipping weight 120 pounds. Price Net Trade (No. 7327 Angle Head not included) **$110.00**

No. 1731—With ½ H.P., 110 Volt, 3400 R.P.M., 60 Cycle, Repulsion Induction Motor, Price Net Trade **$115.00**

No. 1730—With ½ H.P., 110 Volt, 1750 R.P.M., DC Motor. Price Net Trade **$115.00**

No. 3—Elliott Angle Head—Same design as No. 7230. Net Weight 2½ lbs.

7328—2 to 1 ratio .....Net Trade **$40.00**

No. 7329—1 to 1 ratio.....Net Trade **$40.00**

THE ELLIOTT No. 3, THREE SPEED MACHINE

Same design as No. 3720

No. 3730—No. 3 Elliott 3 speed Flexible Shaft Machine complete, ready for attaching tools, including 6′ Flexible Shaft with Ball Bearing Hand Piece and ½ H.P., 110 Volt, 1725 R.P.M., 60 Cycle, Repulsion Induction Motor mounted on a High Pedestal Base with available speeds of 1000, 2000 and 3300 R.P.M. Shipping weight 140 pounds. Price Net Trade **$135.00**

No. 3730—With ½ H.P., 110 Volt, 1750 R.P.M., DC Motor. Price Net Trade **$140.00**

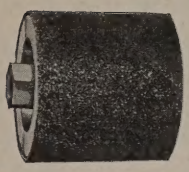
No. 7223—Grinding Wheels. For grinding, casting, smoothing out welds and rubber finishing. 4″ x 1″ x ½″ hole.
No. 7223—Shipping weight 1½ lbs. Net Trade **$1.40**

No. 7321—6″ x 1″ x ½″ hole. Shipping weight 2½ lbs.— Net Trade **$2.00**

ANOTHER ADVANTAGE

Our sales engineers' experience will save you time, money and worry; no charge for service. Call on us for suggestions on layouts. We can help you before your plans are drawn.

ATTACHMENTS FOR ELLIOTT SPEEDSTER



No. 7224 — Elliott 3 x 3 in. Rubber Sanding Drum. Abrasive sleeves slide over rubber cushion and stay firmly in place. A very useful tool — Complete with 10 Abrasive sleeves. No. 24-36-60-80 grits. Shipping weight 2 pounds. Net Trade **$6.00**

Extra abrasive sleeves for No. 7224. No. 24-36-60-80 grits. Price each..... **$ .10**

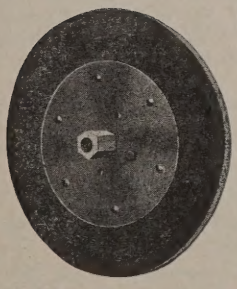
Put up in packages of 12 each..... **$1.00**

No. 7322 — Elliott Cone shaped Sanding Drum. For use on rounding corners and narrow places that are difficult to reach with other tools. Size 1¾" x 1¼" x 5½" long. Complete with 10 abrasive sleeves No. 24-36-60-80 grit. Shipping weight 2½ pounds. Net Trade **$7.50**

Extra abrasive sleeves for No. 7322.

No. 24	Grit each	**$0.14**
No. 36	Grit each	**0.14**
Per doz.	.....	**1.40**
No. 60	Grit each	**0.12**
No. 80	Grit each	**0.12**
Per doz.	.....	**1.25**

Put up in standard packages of 12 each.

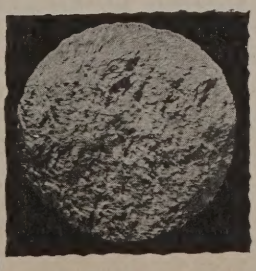


No. 7323 — Elliott 9" Flexible Sanding Disc. Complete with 2 each 36-80 Grits. Shipping weight 2½ lbs. Price Net Trade **$7.50**

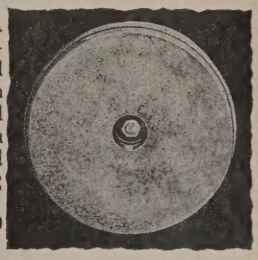
Extra abrasive disc for No. 7323.

No. 24	Grit each	**$0.22**
No. 36	Grit each	**0.22**
No. 60	Grit each	**0.20**
No. 80	Grit each	**0.20**

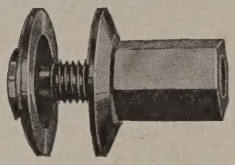
Put up in standard packages of 6 and 12 each.



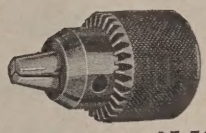
No. 7324 — Sheepskin Buffer — Ready for attaching to and to be driven by 9" Flexible Sanding Disc No. 7323 or Felt Polisher No. 7229. An improved method of using Sheepskin Buff in that the edge of buff is fully protected and in fact the edge can be used for buffing. Net Trade **$1.80**



No. 7229 — Felt Polisher. A double felt pad made especially for rubbing and polishing compound in one operation. Designed so that renewal pad can be put on when old pad is worn. Shipping weight 1½ lbs. Net Trade **$4.50**



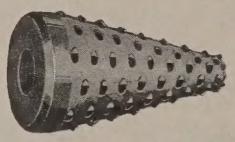
No. 7225 — Wheel Arbor — For attaching Wire Wheels and Emery Wheels. Net Trade **$1.80**



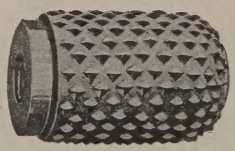
No. 7226 — Chuck ⅜" Capacity—For driving drills, reamers, cleaning and polishing tools with straight shank. Back threaded ½" —20. Shipping weight 1 lb. Net Trade **$5.50**

No. 7325 — ½" capacity. Shipping weight 2 lbs. Net Trade **$9.00**

No. 7326 — Set up Sanding Wheel. Size 6" x 1" x ½" hole, shipped with 80 Grit but you can glue on abrasive to meet your own requirements. Net Trade **$2.00**

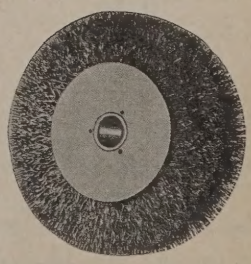


No. 7220 — Cone-shaped Steel Rasp, — threaded ½" — 20 S. A. E. Std. Shipping weight, 1 pound. Net Trade **$3.00**



No. 7221 — Round nose Steel Rasp threaded ½" —20 S. A. E. Std. Shipping weight 1½ pounds. Net Trade **$3.20**

No. 7222 — Wire Wheel Brushes. For cleaning, buffing and polishing — A fast working brush for removing dirt, rust and paint from automobile bodies and cleaning brass and copper parts before brazing. Used for buffing tires and tubes and many other purposes.



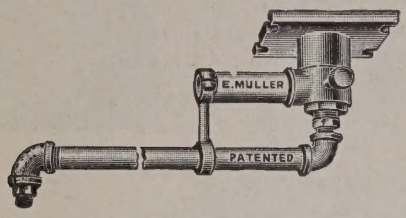
No. 7222 — 4" x 1" x ½" hole. Shipping weight 1 lb. Net Trade **$2.50**

No. 7320 — Wire wheel 6" x 1" x ½" hole. Shipping weight 1½ lbs. Net Trade **$3.00**

AUTOMOBILE LAUNDRY ACCESSORIES AND SUPPLIES

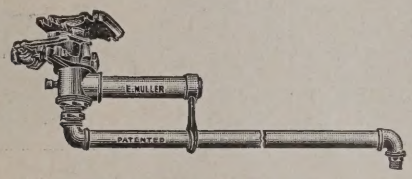
RELIABLE OVERHEAD WASHERS

Convenient and labor saving equipment for washing cars. Durably built in every detail. Swivel bearings of brass and bronze metal. Galvanized pipe and fittings. Brass hose nipples.



Model No. 1

Hose arm, 6 ft. long, 1″ diam. ¾″ connection. Supporting arm 2 ft. long, 1½″ diam. Projection from ceiling to hose arm 10 inches. Net Trade Price **$25.00**

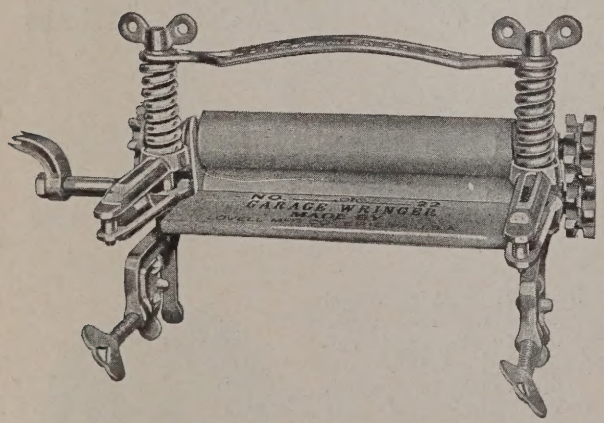


Model No. 16 Automatic Washer

Automatic cut-off controls flow of water and is regulated by movement of hose arm.

Hose arm, 6 ft. long, 1″ diam. ¾″ connection. Supporting arm, 2 ft. long, 1½″ diam. Projection from ceiling to hose arm 10 inches. Net Trade Price **$50.00**

CHAMOIS WRINGER



Excellent for wringing out wash cloths, chamois, sponges, etc. while washing cars.

Particularly adapted for use in the garage, auto laundry and service station.

Durably built throughout and guaranteed to give good service. Extra high grade rubber rolls, exposed gears, malleable iron frame and bearings, spiral springs, thoroughly galvanized to prevent rust.

No. 331—*11 x 1¾″ Roll, Net trade price* **$5.25**

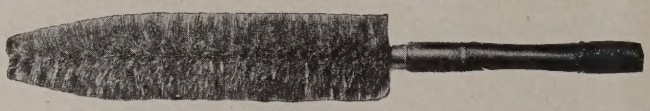
WASH RACK HOSE

Extra heavy, 5-ply hose. Highest grade materials throughout, tough black cover. Built to give fine service in extraordinary every day use. Strong and durable.

Furnished in standard ¾″ size in 50 foot lengths complete with couplings.

25 ft. length, Net trade price **$2.75**
50 ft. length, Net trade price **5.50**

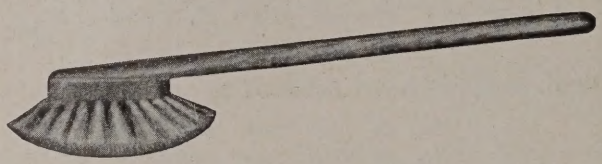
CLEANING BRUSHES



Wheel Cleaning Brush

For cleaning between spokes of wheels and wire wheels. Bristles secured to twisted wire with wood handle. Length 19 inches.

No. 2—*Tampico Bristles, Net trade price* **$ .45**



Fender Cleaning Brush

Stiff Palmyra Fibre brush for cleaning under fenders and under parts of car. Brush part firmly set in wood head, long handle.

No. 353½—*22 inches long, Net trade price* **$ .45**

MECHANICS OVERALL SUITS

Designed especially for the garage and service station mechanic. Made of fine quality, heavy Khaki twill, durably constructed throughout. Handy reinforced pockets for carrying small tools. Double stitched throughout. Fit full and roomy. Embody every convenience for the mechanic to work comfortably.

No. 250—*Sizes 36 to 44, Net trade price* **$3.00**
Specify size when ordering.

RUBBER WASH APRONS

Full size aprons made of extra quality rubber cloth. Strong, durable and waterproof.

No. 5—*Extra heavy, double coated rubber 46″ long, 36″ wide, Net trade price* **$1.50**

PARA RUBBER HIP BOOTS

Extra quality, para rubber top boots. Finest construction throughout. Built for service.

Sizes 8 to 10, Net trade price, Per Pair, **$6.40**

LAUNDRY ACCESSORIES

MOBO SOAP
DUCO POLISH
SIMONIZ KLEENER
SIMONIZ POLISH
MOBO POLISH
ELBOEZE POLISH
SPONGES
CHAMOIS

LUBRICATION SERVICE SECTION

For success in lubrication service, proper equipment is essential.

On the following pages we show items of lubricating equipment which experience has taught us are best suited to the successful operation of this service.

Of great importance is the selection of the proper type of lift. We carry a very wide variety of lifts and can furnish one that will exactly meet with your requirements.

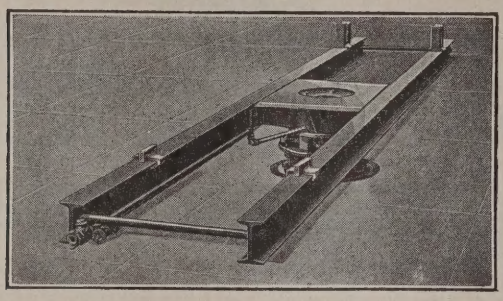
Generally speaking, the drive-up type of lift is fast disappearing because consumers refuse to use them. The proper lift will attract a great deal of new business for you for it indicates a progressive service station where the right kind of lubrication service can be secured.

Furthermore, it has great display value. Of course, there are many other uses for lifts such as for car washing, wheel work, etc.

It is also important for you to select the proper type of grease gun and we urge you to avail yourself of the services of our sales engineers in choosing these important items. You may have the benefit of their experience without cost to yourself and you will find their advice will save you much money and loss of time.

MANLEY AUTO ELEVATOR (AXLE TYPE)

Operates by Air from your Tire Inflation System



This Manley Auto Elevator is identically the same as the No. 325 Lift, with the exception of the bed, which has been designed to raise cars by the axle instead of the wheels. It is indispensable to garages and service stations, as it not only saves time and labor, but enables under-body repairs to be quickly accomplished with absolute safety. The elevator can be raised in one minute, can be lowered in 50 seconds and can be stopped and held at any suitable height. It can also be revolved while the car is in a raised position. It is a self-contained, self-lubricating unit, built of the finest materials.

STRONG CONSTRUCTION. This machine is built of the finest materials and is properly designed to withstand the strains incidental to a machine of this type. The plunger is accurately machined, thus assuring smooth operation and eliminating oil leakage.

EASY TO INSTALL. Due to its simple construction it is a very easy matter to install this auto lift. Simply dig a hole, pour about 6 inches of concrete in the bottom, place the cylinder unit in and plumb by means of the levels, which are embedded in the top of the plunger unit, then pour in the concrete.

SELF-CONTAINED. This elevator, like No. 325, requires no outside oil pipes or connections. The lifting medium is oil, actuated by air pressure, the plunger acting as an oil reservoir. This oil automatically lubricates the plunger, thereby eliminating maintenance cost on labor.

OPERATION OF AXLE TYPE is simplicity itself. The rails are extremely low, so as to clear all types of axles. The car is driven over these rails. Raising blocks are provided with sockets, which accommodate a long rod handle which is furnished so that the blocks can be placed under the machine without crawling underneath.

SAFETY ASSURED. By the elimination of oil pipes and other connections, the possibility of breakage and consequent damage is eliminated in this machine. The actual lifting is done by the displacement of the oil in the inner plunger. The air forces the oil through the safety valve in the bottom of the plunger.

SAFETY VALVE. This elevator is provided with this safety valve in the bottom of the plunger. It is a part of the plunger, operating entirely by gravity. It is composed of only two parts, making the Manley elevator safe at all heights.

INDISPENSABLE FOR LUBRICATING and all underbody work, such as shock absorbers, spring repairs, wheel removal, motor base operation, rear axle repairs and adjustments.

A LONG HANDLE is used to place raising blocks in position under the car. These blocks are built to fit the bed without bolts, nuts or clamps, and when once placed, the weight of the car holds them securely in place.

THESE ADJUSTABLE BLOCKS WHICH HOLD AXLE are slotted, which affords clearance for anchor or truss rods. The car can be completely revolved if necessary, and as the car is supported by the axles, all wheels can be removed without interference.

A basket for the differential (or rear axle) of the car is furnished on this type elevator in addition to the lifting blocks.

This type of Elevator is particularly suited to Service Stations and Garages where general repair work is done.

DIMENSIONS

Axle Type Bed, Length	14′
Axle Type Bed, Width	26″
Total Travel of Ram	4′ 3″
Diameter of Ram	10½″
Diameter of Cylinder	13½″
Depth of Hole Required	7′

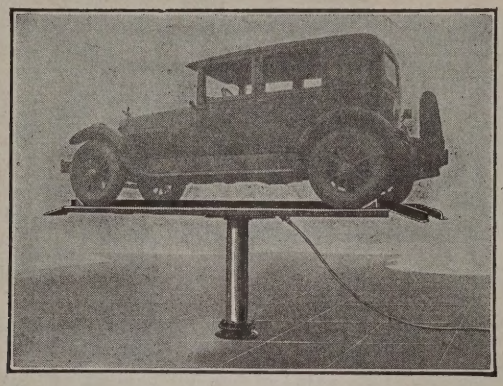
NET TRADE PRICE

Axle Type Elevator	Ship. Weight	Price
Cat. No. 326, Complete	1500 lbs.	$300.00

Manley Auto Elevators are the acme of simplicity—no electric motors, switches, no pumps or complicated piping and no separate oil reservoir. This simple construction means lower cost, longer life and greater safety.

MANLEY AUTO ELEVATOR (WHEEL TYPE)

Operates by Air from your Tire Inflation System



The Manley Auto Lift is a thoroughly practical and efficient method for raising all types of cars, including dual tired light trucks. It is indispensable to garages and service stations, as it not only saves time and labor but enables under-body repairs to be quickly accomplished with absolute safety. The elevator can be raised in one minute and can be lowered in 50 seconds and can be stopped and held at any suitable height. It is a self-contained, self-lubricating unit, built of the finest materials, is easy and inexpensive to install, and requires no attention whatever.

The elevator can be turned completely around while the car is raised. This feature is of great help to crowded shops, as cars can be turned to a separate entrance if desired eliminating the necessity of turning on the garage floor or backing out.

The elevator requires approximately 100 lbs. of air pressure per square inch to lift a car weighing 6,000 lbs., while 75 lbs. of air pressure per square inch is required to lift a car weighing 4,000 lbs.

STRONG CONSTRUCTION. This machine is built of the finest materials and is properly designed to withstand the strains incidental to a machine of this type. The plunger is accurately machined, thus assuring smooth operation and eliminating oil leakage.

EASY TO INSTALL. Due to its simple construction, it is a very easy matter to install this auto lift. Simply dig a hole, pour in about six inches of concrete in the bottom, place the cylinder unit in and plumb by means of the levels, which are embedded in the top of the plunger unit,—then pour in the concrete.

SELF-CONTAINED. This elevator requires no outside oil pipes or connections. The lifting medium is oil, actuated by air pressure, the plunger acting as an oil reservoir. This oil automatically lubricates the plunger, which eliminates maintenance labor.

OPERATION OF WHEEL TYPE ELEVATOR is simplicity itself. Simply drive your car on the elevator. The runways are amply wide (13 inches) and the entrances are provided with oversize, malleable iron, flared approaches.

CHOCKS ARE FURNISHED, which securely hold the car in place. These chocks can be readily placed and removed.

SAFETY ASSURED. By the elimination of oil pipes and other connections the possibility of breakage and consequent damage is eliminated. The actual lifting is done by the displacement of the oil in the inner plunger. The air forces the oil through the safety valve in the bottom of the plunger.

SAFETY VALVE. The Manley Elevator is provided with a safety valve in the bottom of the plunger. It is composed of only two parts, making the Manley Elevator safe at all heights.

INDISPENSABLE for lubricating and all under-body work, such as shock absorbers, spring repairs, motor base operations, rear axle repairs and adjustments.

GUARD RAIL ON INNER EDGES of Runways with outside edge flat so as not to interfere with dual tires.

DIMENSIONS

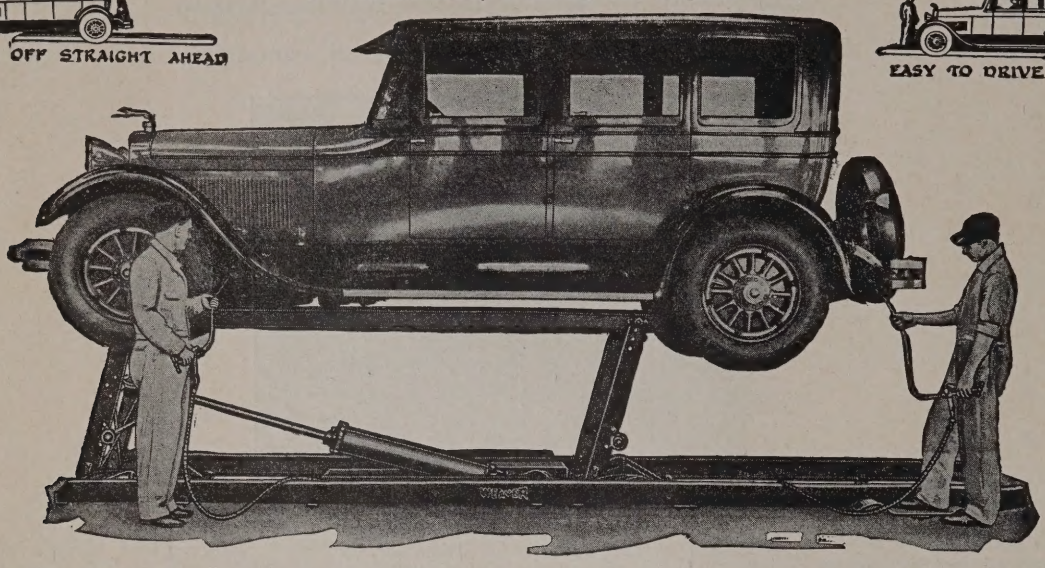
Wheel Type Bed, Length	16′ 6″
Wheel Type Bed, Width	69″
Total Travel of Ram	4′ 3″
Diameter of Ram	10½″
Diameter of Cylinder	13½″
Depth of Hole Required	7′

NET TRADE PRICE

Wheel Type Elevator	Ship. Weight	Price
Complete	2000 lbs.	$325.00

SAFETY — The Manley Auto Elevators are inherently safe because of their sturdy simplicity. An automatic safety valve is provided in the bottom of plunger, making it impossible for the elevator to come down in less than 3 minutes except when manually operated.

WEAVER DRIVE-OVER AUTO LIFT
For Lubrication, Washing and Repairs



The Weaver Drive-Over Auto Lift is the latest word in equipment for raising cars quickly, easily and safely to the most convenient height for complete lubrication, washing and under chassis repairs.

Two features deserve special attention—the drive-over construction illustrated above, which enables the car to be driven on the Lift at ground level and straight ahead off the Lift, and the new power plant illustrated below now regularly furnished, which can be used to operate as many as three Lifts, thus saving the expense and space of extra power units.

New Regular Power Plant Operates One to Three Lifts

The Lifts and power plant can be located wherever desired—side by side or at a distance from each other. The operation of each Lift is individually controlled by a foot operated valve, conveniently located at front end of Lift, as shown.

When Lift reaches its maximum height, valve is automatically closed, holding load stationary. Valve can be set to stop Lift at any desired height or can be operated by foot. To lower car, valve is moved to lowering position, allowing weight of car to force oil out of cylinder into supply tank. When one Lift is operated, it will raise in one minute. When two or three Lifts are operated simultaneously, the lifting time will be proportionately increased. Complete installation instructions furnished.

Important Features

Can be placed inside or outside service station—no installation expense.

Requires less space than usual rack.

Handles various types of cars without difficulty.

Rigidly braced to prevent any possibility of tipping.

Lifts car by front axle and differential—wheels free.

Range of lift, 7 to 44 inches.

Can be stopped at desired height—car always level.

Speedy—raises car in one minute and lowers in half a minute.

Simple in operation.

Recommended capacity, 6,000 pounds—ample overload capacity.

Absolutely safe against accident.

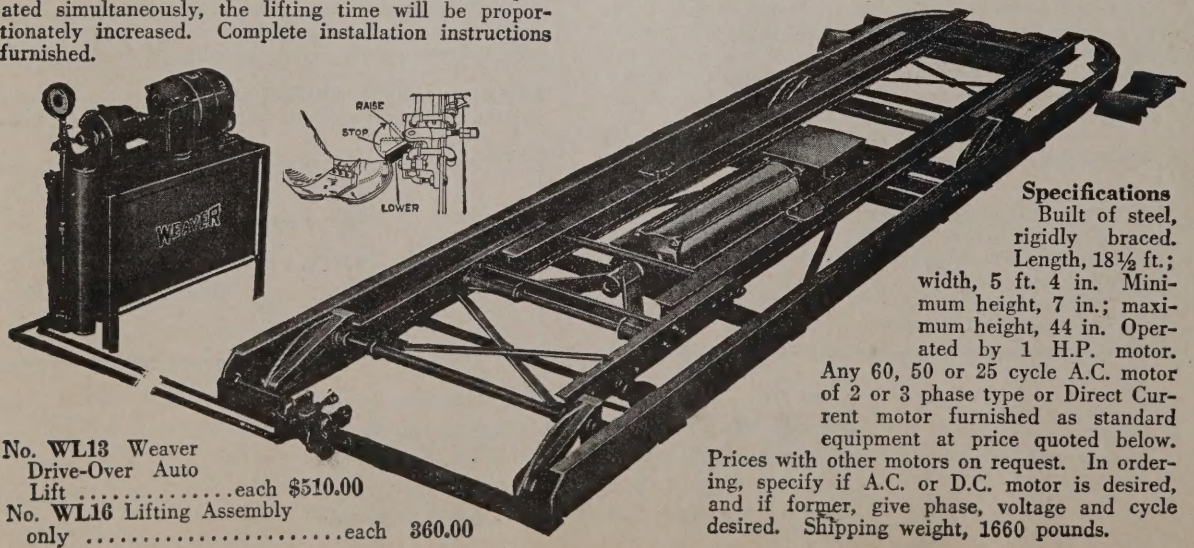
Power automatically cut off when lift raises to full height.

One horse power motor uses minimum current.

Side plates, depressed to receive wheels, locate differential over grating for lifting.

Opening in grating to drain differential.

No elevated tracks to worry timid drivers.



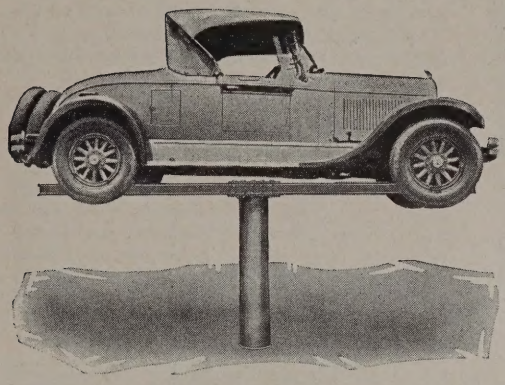
No. WL13 Weaver Drive-Over Auto Lift .....each **$510.00**

No. WL16 Lifting Assembly only .....each **360.00**

Specifications

Built of steel, rigidly braced. Length, 18½ ft.; width, 5 ft. 4 in. Minimum height, 7 in.; maximum height, 44 in. Operated by 1 H.P. motor. Any 60, 50 or 25 cycle A.C. motor of 2 or 3 phase type or Direct Current motor furnished as standard equipment at price quoted below. Prices with other motors on request. In ordering, specify if A.C. or D.C. motor is desired, and if former, give phase, voltage and cycle desired. Shipping weight, 1660 pounds.

Rotary Lift



FREE WHEEL TYPE

Designed to meet the special requirements of garages, tire and repair shops, auto laundries, etc. Simple design — light weight — sturdy construction. Convenient and efficient for this type of service.

Permits Unobstructed Access

Rotary Chassis Lift permits unobstructed access to all parts of the chassis. Brakes, snubbers, springs, etc., all are easily reached for service or inspection. The platform is designed to permit the free movement of attendants between it and the wheels of the car.

Convenient for Tire Service

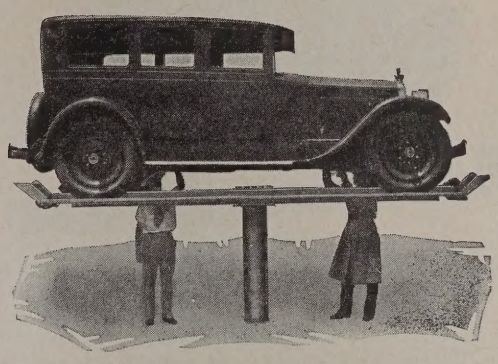
Rotary Chassis Lift is particularly suited to tire servicing. It permits a quick, easily done job and gives the attendants an opportunity to test brakes and make a quick inspection of the entire car. The entire chassis is easily accessible for repairs and service to any part. The design of the platform permits the free handling of all tools and offers no obstructions to the movements of workmen.

Recommended for Auto Laundries

The accessibility of the chassis makes this type lift especially suited for the needs of auto laundries and paint shops. Every part of the car can be easily reached for cleaning or painting — there are no obstructions of any kind to hinder the free handling of any type of service equipment. The elevating and rotating features of Rotary Chassis Lift permit the raising and turning of the car to any convenient position. This provides clear visibility and ample working room for the attendants and assures better jobs in less time than is possible with pits or racks. This means more jobs and less cost per job; therefore more profit.

No. 85 ***Free Wheel Type***

Net Trade Price - $339.00 ***Delivered***



DRIVE ON TYPE

The oil in the lift forms a constant foundation under the base of the plunger. This support prevails at all times and assures absolute safety whether the lift is stationary or moving up or down. Should all the air in the piston escape at once, the lowering speed of the lift could not be affected as its movement is controlled by the Rotary Hydraulic Control, an exclusive, patented feature of Rotary Lift. This Control regulates the flow of oil between the plunger and cylinder and positively controls the upward and downward movements of the lift.

Approved for Safety

Rotary Lift has been approved for safety and correct design by the Underwriters' Laboratories. No other automobile lift or hoist has been so approved.

Rotates At Any Height

Rotary Lift may be rotated at any height — up or down, or at any intermediate point. Car drives on at ground level from any direction. Quickly raised to most convenient working height with ample head room and complete accessibility to all under parts of car. Easily rotated to any angle. Lowered with car facing any direction.

Attracts and Holds Trade

Clean and business-like, Rotary Lift is assurance to motorists of quick, dependable service. Its convenience and time saving features are attractive to the car owner because he knows they mean a good job quickly done.

Provides Visible Servicing

When the car is raised on Rotary Lift every part is easily accessible for servicing or inspection. There is plenty of light for clear vision — plenty of room for free, easy work. There are no obstructions to hinder the free movement of tools or other equipment — no posts to dodge — no braces to walk around. This means a cleaner, more efficient job in less time and consequently at less cost.

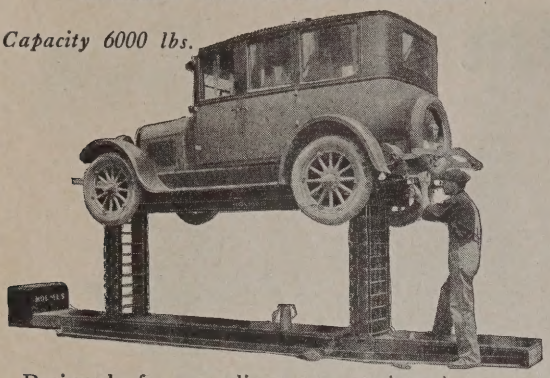
No. 86 ***Drive On Type***

Net Trade Price - $361.00 ***Delivered***

WE CARRY IN STOCK COMPLETE LINE OF VARIOUS TYPES OF LIFTS FOR IMMEDIATE DELIVERY

HOLMES UNIVERSAL AUTO LIFT

Capacity 6000 lbs.

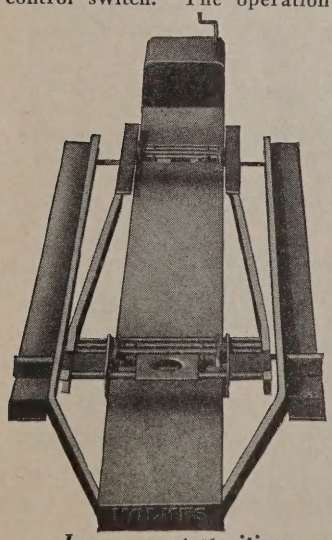


Designed for speeding up repairs, lubrication, washing, polishing and all service operations. It is shipped completely assembled with only the guide rails detached, can be installed or moved from one location to another in approximately 30 minutes. There are no pits to dig, no air connections, and no assembly of posts, bearings or pulleys. Simply attach the guide rails and connect motor.

Cars are raised by the axles, leaving steering gear, wheels and wheel assemblies entirely free for lubrication, adjustment, repairs, brake or tire service. Crankcase, clutch and transmission can be drained or covers removed without the slightest interference. Brakes, brake rods, shackle bolts, springs — every part of the car is instantly and completely accessible for service from an easy, normal position.

The Improved Lifting Cradle receives any wheelbase car and approximates the width and shape of the car frame, allowing clear, unobstructed working space for all chassis parts, whether located inside or outside the car frame. The flat portion of the front axle makes contact with the lifting cradle at two points. On cars equipped with underslung springs, the rear axle is supported on the lifting cradle by the spring clips, thus providing a rigid four point suspension. As an added assurance of rigidity, a checkered, non-slip plate is provided at each point of contact. On cars not equipped with underslung springs, the differential ball rests on a special depressed plate, preventing rocking or slipping.

Operated by self-contained electric motor, which comes mounted and already wired to the safety control switch. The operation of the unit is in no way affected by weather or by the failure of an overloaded air compressor. A positive automatic cut-off stops the lift at both high and low positions and intermediate positions are obtained by hand control. It is impossible for the lift to be raised or lowered accidentally.



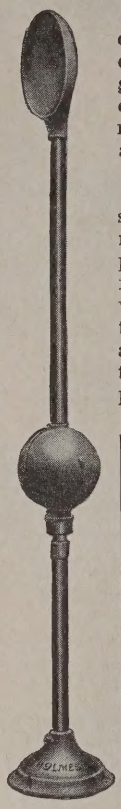
In Lowered Position

Cars are quickly raised or lowered to the ideal height for best working conditions, and as there are no posts, pits, lifting arms, pistons or other obstructions, several men may work on a rush job at the same time if conditions demand. The lift is only 46 inches wide and can be placed either outdoors or in, upstairs or down.

Net Trade Price, *3 Phase A. C., 60 Cycle, 220 Volt* **$500.00**

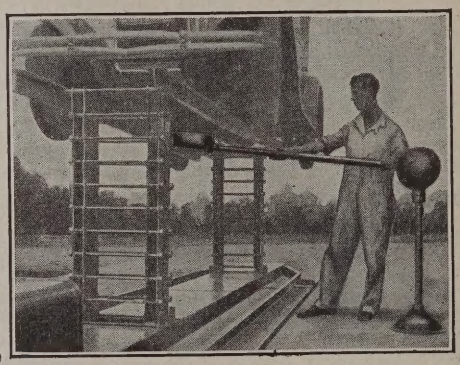
HOLMES OIL RECEIVER

For Receiving Crankcase Drainings



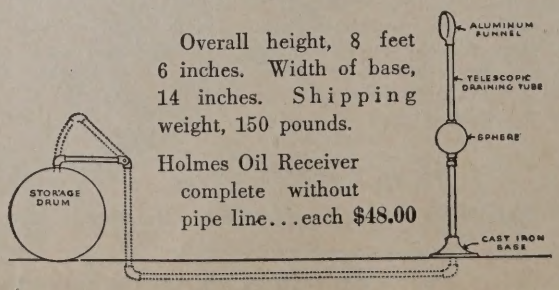
The Holmes Oil Receiver provides for the clean, automatic disposal and storage of oil drained from crankcases. Its use in the garage or filling station with a modern lift eliminates all handling of drainings and promotes attractive cleanliness, quicker service and complete safety.

The Receiver consists of two cast iron half spheres which interlock to form an intermediate oil-tight reservoir of sufficient capacity to receive quickly the entire drainings from a crankcase. An extension tube, fitted with a large aluminum funnel, is connected to the reservoir and swings in an arc on both a vertical and horizontal plane, thus enabling the funnel to be adjusted to the oil drain plug instantly.



A heavy tension spring, mounted inside the Receiver, holds the funnel close against the crankcase while receiving oil. The service man merely removes the crankcase drain plug, adjusts the funnel and goes about other duties safe in the knowledge that no oil will be spilled. The oil flows by gravity into the intermediate reservoir and thence through a 1½ inch pipe line to a storage drum or barrel located at some convenient point. When not in use the tension spring automatically returns the draining tube to an upright position.

In installing the Receiver, the base is bolted to the floor and connected to the storage drum by a 1½ inch pipe line. When the drum is filled, the end of the pipe is pulled out and an empty drum put in place. The Holmes entirely eliminates the use of unsightly drain cans, and even the storage drum may be placed behind a building or otherwise hidden from view. The Receiver is universal and may be used with any type lift. It can serve two lifts from one central position.



Overall height, 8 feet 6 inches. Width of base, 14 inches. Shipping weight, 150 pounds.

Holmes Oil Receiver complete without pipe line...each **$48.00**

THE WOODRUFF "ATLAS" GREASING SYSTEM

ENTIRELY AUTOMATIC IN OPERATION

A Speedy, Efficient, and Economical Greasing Unit—A far greater asset than most men imagine. It is a time-saver, a waste preventer, a promoter of cleanliness, and it contributes in one hundred-and-one ways to the more profitable operation of a lubricating business.

IT PROVIDES—

SPEED—
Because it eliminates hand filling of the lubricant from the commercial drum into the usual type of grease gun or compressor, in which it must be further compressed, or "boosted," before it can be forced to the lubricating nozzle. The Woodruff system employs no "booster" device whatsoever. At any point in the line that the grease may be "tapped," it will be found at the extreme, high outlet pressure that the pressure regulator had been so set to give.

EFFICIENCY—
Because the lubricant is forced to the nozzle at pressures easily controlled within the range of 600 to 5,000 lbs.

THOROUGHNESS—
Because a unique accumulator device builds up a supply of lubricant at high pressure, thereby maintaining a steady, smooth flow at the outlet. This entirely eliminates the jerky, erratic output that characterizes most high pressure systems.

ECONOMY—
Because not a particle of the lubricant is lost in the transfer from the drum to the bearing. No manual labor is involved in the transfer. Nor is it necessary to move the outfit from place to place.

CLEANLINESS—
Because the lubricant is at all times under cover in its passage from the drum to the nozzle. It is never exposed to grit and dirt. It cannot leak out on the floor or besmear the operators. The lubricant is delivered at the nozzle as clear and as clean as the day it left the refiner's grease vats.

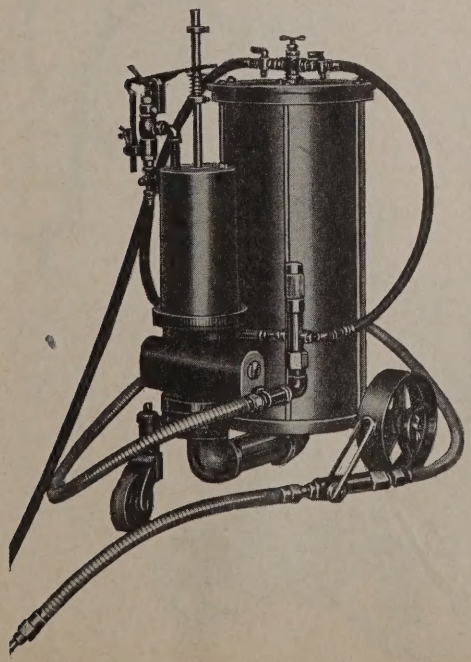
NET TRADE PRICE

The Woodruff "ATLAS" Unit Complete, $295.00

Prices F. O. B. Newark, N. J.

One 6-ft. Length High Pressure Flexible Hose with 1½-ft. Whip, Adaptor and Woodruff Stop and Relief Valve $21.75
Woodruff Stop and Relief Valve 14.00
Woodruff Swivel 4.00

THE WOODRUFF "400"



HIGH PRESSURE GREASING UNIT

Gives 4,200 lbs. pressure with 100 lbs. air pressure. This unit may also be filled from the commercial drum with the Woodruff Barrel Pump.

Speedy . . . ruggedly built to withstand abuse, easily portable, and capable of handling very heavy lubricants. This outfit has been found ideal for use in heavy truck and bus service stations.

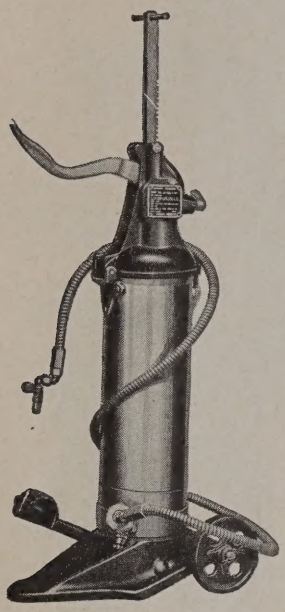
We recommend this "400" unit for greasing bulky vehicles, such as Buses and Trucks . . . where access to the various lubricating points would require an excessively long hose length . . . if the grease were "tapped" from the main feed pipe.

NET TRADE PRICE

Complete with Woodruff Stop-and-Relief Valve, and Adaptor (specify fitting desired) $150.00

(F. O. B. Newark, N. J.)

BALCRANK GREASE GUNS — *TYPE "D"*



Balcrank Type "D" High Pressure Gun will render more satisfactory service at a much lower cost. Filling stations, garages, service stations, truck fleets, motor bus lines and factories, are finding it a thorough and economical piece of equipment.

Adapters for Various Systems

Balcrank adapters permit changing from one system to another in thirty seconds. The cup connecting parts are genuine parts made by the manufacturers of the individual systems, such as Alemite, Zerk and Dot. Adapters are furnished for Alemite, Zerk and Dot systems.

An expensively made hose is used on the Balcrank which will withstand the strain of the highest pressure the gun exerts.

Quick Filling

The gun is easily refilled by simply raising the rack, and opening the hinged lid. No troublesome gearing or screws are necessary to its operation.

Any Grade of Grease

Different seasons of the year, and varying mechanical conditions, warrant using various grades of grease. The Balcrank gun will handle any grade of automotive grease, from the very lightest to the heaviest. Tacky and stringy grease, or those with a rebound action, are easily shot through the gun.

A separate grease compressor in the storage barrel forces the grease into the booster pump, from where it is expelled under high pressure by the foot pedal.

Type D, Net Trade Price $64.00

TYPE "F" AIR OPERATED

The Balcrank Type "F" Grease Gun is operated by air pressure into a booster pump. Sufficient pressure is generated to break thru the tightest bearing. The ratio of grease pressure is 88 pounds to each pound of air. Sufficient pressure is generated to save a great deal of time on tight bearings.

A light weight, aluminum trigger control, that fits comfortably in the hand, operates a sensitive air valve and the discharge is instant. Only slight pressure on the trigger is required to release the charge of grease.

A very efficient connection is attached to the rear of the gun for connecting with hose leading to air compressor. It can be disconnected in less than fifteen seconds to permit moving the gun to another pit or lift.

Grease Saving

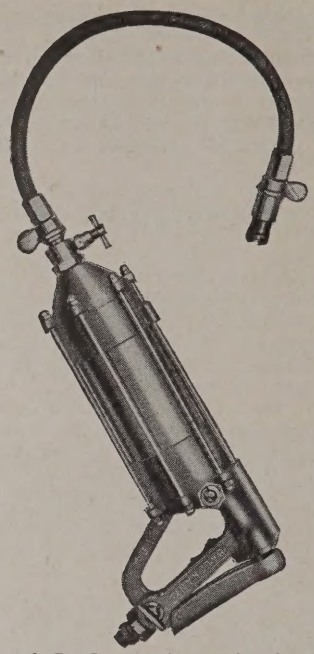
The amount of grease delivered with each "shot" is controlled by the booster pump, which is filled and emptied with each operation. Only one charge of grease is released each time the trigger is compressed. There is no waste as is common when continuous flowing mechanism is used.

Safety Valve

A safety valve permits grease to flow back into the barrel in case excessively high pressure is used. This valve protects both the gun and the hose.

Type F, Net Trade Price $125.00

BALCRANK P. C. LUBRICATOR

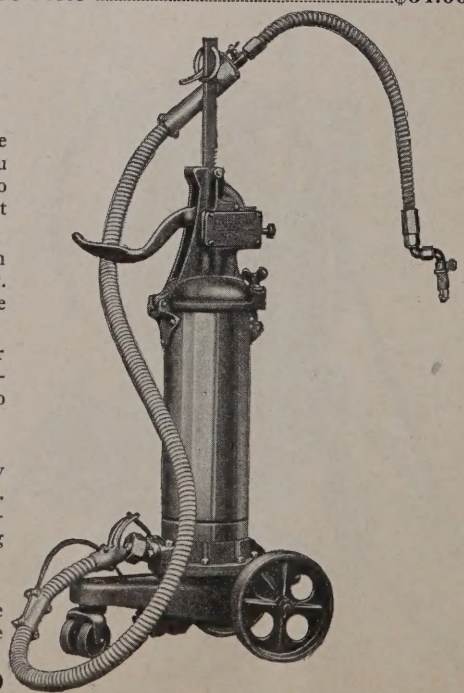


The Balcrank P. C. Lubricator is air operated. It has a capacity of one pound of grease sufficient to properly lubricate two cars with one filling. Each shot is delivered with a ramming, smashing blow which will break through any frozen or clogged bearing.

It delivers 40 lbs. of grease pressure for every pound of air pressure. It reaches difficult and practically inaccessible bearings; reduces time required to grease cars thoroughly; uses a minimum of air and grease; requires but a few moments to fill; stands use and abuse; grease flow adjustable; for use on Alemite or Zerk; length of gun 15 inches; weighs only 5 lbs.

Complete with special container for filling, air hose and all connections.

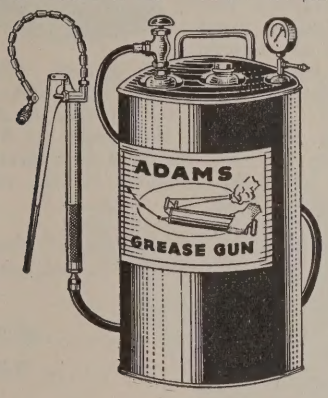
Net Trade Price $64.00

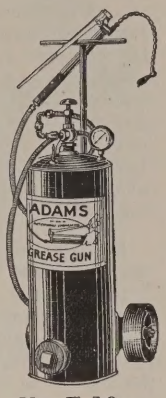


ADAMS GREASE GUNS

No. F 50

Adaptable to all lubricating systems
Develops 10,000 lbs. Pressure.
Equipped with Six Foot Flexible Feed Hose, very durable and strong.
Ball Swivel Joints on both ends of feed hose, does away with all kinking and twisting.
High Pressure Booster, very light weight, and strong.
Non-Leakable, high pressure head.
Equipped with Ball-Link Hose and Snap-On Coupler.
Capacity 50 lbs. Fluid Grease.
Net Trade Price **$52.50**



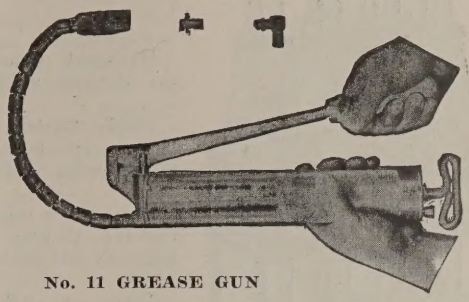


No. F 10

The No. F 10 is identical with the No. F 50, carrying the same equipment and operates the same way except, the grease capacity is less.

Net Weight 19½ lbs.
Capacity 10 lbs. Fluid Grease.

Net Trade Price $33.00



No. 11 GREASE GUN

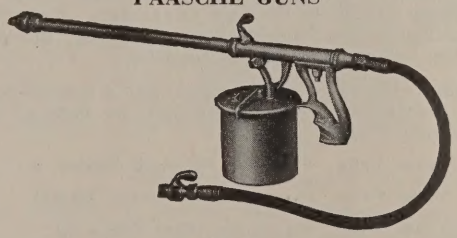
1. Snap-On Coupler with its New Sealing Member or Float is absolutely the greatest Patented Development in High Pressure Lubrication. It is positive in its performance and **Guaranteed not to Leak for Six months** and then only a change of one leather washer is necessary.
2. Ball-Link Hose has been greatly strengthened to eliminate breakage and leakage. Guaranteed to withstand 10,000 lbs pressure.
3. High Pressure Head has been greatly improved with heavier rivets, permitting added pressure and endurance.
4. Filling Rod is now threaded, which makes self-feeding positive and eliminates air pockets.
5. Back Cap is now of much heavier construction which eliminates breakage and withstands rugged use.
6. New Packing in Head insures greater pressure and longer life. **Net Trade Price** **$12.67**

ADAMS SPRING SPRAY LUBRICATOR

KILLS SQUEAKS

Can be easily carried.
One filling of air will empty oil in tank.
Operates with all types of oil.
Shoots a straight fine stream, 15 to 20 feet.
Equipped with a long, specially constructed rubber hose.
Quick shut-off valve eliminates waste of oil.
Complete in every detail.
Net Weight 16 lbs.
Capacity 2 Gals. Oil
No. S. P. 2 — Net Trade Price $21.00

PAASCHE GUNS



Paasche Syphon Type GB Combination Oiling and Paint Spray Airbrush

Automobile agencies, service stations and garages find Paasche Oiling Guns great time and labor savers increasing income and helping in chasing down hidden squeaks and noises hurriedly and thoroughly. Thousands already in use for quick oiling of automobile springs, chasses, removing body squeaks, cleaning engines, motors, parts, machinery, etc.

Painting feature: By removing the 12″ extension and attaching the UBF2 or 3 Multiplehead you have a first class cup type air brush, suitable for painting automobile parts, fenders, wheels, recoating bodies, maintenance of service station equipment, making it inexpensive and easy to keep everything looking fresh, new and inviting at a considerable saving. Complete with 25 ft. air hose and fittings.

Net Trade Price **$22.10**

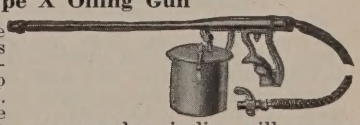
Drain Plug - Set No. 21

A necessity in every oil station and garage. A plug, hex. socket or square socket to **quickly** remove the plug from any crank case or transmission. Sliding bar handle used as Tee or Offset.

Net Trade Price

$6.85

Type X Oiling Gun



There is no excuse for chassis squeaks when a **Paasche** oiling gun will stop them on the spot. One of these simple little guns hooked to your regular air line will score a big hit with your customers. Use any kind of lubricating, penetrating or crank case oil. You can easily spray all the inaccessible places on the chassis without any fuss or bother. It will pay for itself over and over again by drawing customers to your station.

Type X Oiling Gun complete with pint cup, 25 feet air hose, couplings and line valve complete to attach to air supply. **Net Trade Price** **$15.50**

MARQUETTE OIL DISPENSERS

Designed especially for display purposes.

Holds basket with bottles on both top and bottom shelves.

Provides a very attractive display and helps to sell more oil.

Made of steel and is exceptionally rigid and strong. Red and Black enameled.

Holds any make of basket and bottles.

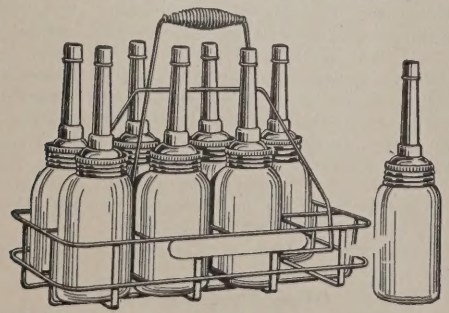
ALUMINUM FINISHED BASKET OF COLD ROLLED STEEL, with a strong steel handle. The entire basket is electrically welded. This substantial basket will give many years of long hard service.

CRYSTAL CLEAR GLASS, standard quart bottles, that show up the oil to the best advantage. Every bottle is perfect — no colored or cloudy glass. Bottles are marked at standard quart capacity.

AIR VENT, of tubing in spout, has a control feature for pouring fast or slow, simply by holding finger over tube.

Net Trade Price, Complete Set with Basket, 8 bottles and 8 spouts, each **$4.50**
Net Trade Price, Marquette Oil Service Basket, 8 bottle capacity, each **1.70**
Net Trade Price, Marquette Clear Glass Oil Bottle, standard Quart, per doz. **2.25**
Net Trade Price, Marquette Oil Bottle Spouts, per doz. **2.75**
Net Trade Price, Dust Caps, per doz. ..... **.50**
Net Trade Price, No. 2 Display Stand, each **3.50**
Net Trade Price, No. 4 Display Stand, each **5.95**

CHALLENGE OIL DISPENSERS



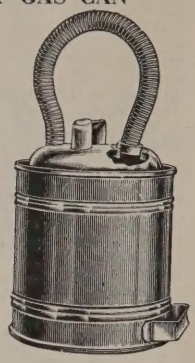
Handy service equipment for gasoline and oil service stations. Keeps oil ready for customer and assures clean, quick service and correct measure—speed, accuracy and cleanliness count and help increase business.

The outfit complete consists of 8 special quart jars made of heavy crystal glass, 8 steel spouts and caps, with heavy steel wire carrier—rack or basket. Basket is extra strong, separate compartment for each jar or bottle, substantial wire handle, all heavy tin-plated to prevent rusting.

No. WBAC — Complete Outfit — basket with 8 jars, spouts and caps.

Net Trade Price **$3.65**

BROOKINS EMERGENCY GAS CAN



The motorist who runs out of gas and comes to your filling station or garage to get a gallon or so in a can is a mighty good man to practice good service on. He's probably carried gas before in a can that spills over every step of the way and from which he loses about half of the gasoline while he's trying to get it into his car.

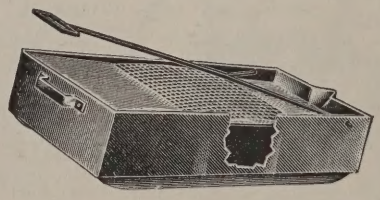
Such a man will appreciate the Brookins Emergency Gas Can. It has a flexible metal tube that closes the can tightly, preventing spilling while it is being carried. This tube reaches the inlet hole in any gas tank without the use of a funnel. It gets all the gasoline in the tank — not a drop is wasted. No danger of fire from spilled gasoline. It gives the kind of convenience in service that holds old customers for you and gets new ones.

These cans are made of heavy terne plate. Durable and economical. Finished complete in red metal Grip Enamel.

Net Trade Price — *2-Gallon* **$2.25**
5-Gallon **3.25**

BROOKINS PORTABLE DRAIN PAN

No More Need for Pits or Racks—
Crankcase Service wherever oil is sold



The Brookins Portable Drain Tank makes easy work of a hard, messy job. It saves the cost of expensive equipment. It helps sell more oil.

By means of the folding handle it is simply shoved under the car on its sled-like runners. The flow of oil being started, the sloping cover catches it. Then the oil runs through a small opening into the tank underneath. It can't upset or spill.

Several cars can be emptied before it is necessary to empty the tank. And the drained oil is under cover and out of the way until it is ready to be poured out. The Brookins Portable Drain Tank can be carried with one hand even when full of liquid, or can be drawn anywhere as easily as a sled. It is emptied by simply turning on end. It is 25 inches long, 11¼ inches wide, 4½ inches deep and holds about 5 gallons.

Here's another use for the Brookins Portable Drain Tank that the average Garage or Filling Station man will see in a minute. It's just the thing for catching the drip when oiling springs. It is handy, too, for draining radiators — there are many other uses to which it may be put.

It is sold only by jobbers. Once the owner uses it, he'll wonder how he ever got along without it.

Net Trade Price **$3.00**

SAFETY OILY WASTE CANS

Heavy galvanized cans with self-closing spring cover. Bottom raised 3½ in. from floor.

A safe and handy receptacle for oily waste and rags.

Approved by Underwriters.

No.	Size	Net trade price
2	15x18½" high	$3.66
3	15x21 " high	4.44
4	18x23" high	5.34
5	19x25" high	6.00

BROOKINS ALL-IN-ONE MEASURE

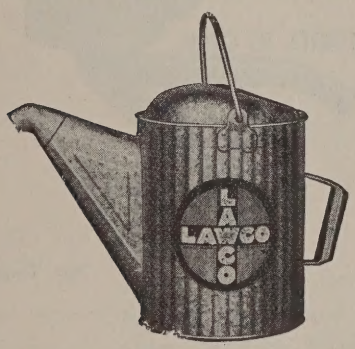
An improved combination measure and funnel. The flexible spout can be placed in any position.

Flow is controlled by pressure of thumb on valve lever. Spring keeps valve closed until opened.

Copper finish, durably built.

	Net trade price
1 Quart	$1.90
2 Quart	2.25
Gallon	2.85

LAWCO RADIATOR FILLER



Excellent for public or private garages as well as filling stations. Heavy corrugated steel sides, durable neck and handle, galvanized all over. 10" spout.

12 quarts. 8½x16", **Net Trade Price** **$1.00**

LAWCO COMBINATION MEASURE AND FUNNEL

Galvanized

Black steel, all parts welded and double seamed. Galvanized and zinc coated.

Leak proof and rust resisting.

No.	Capacity	Net Trade Price
93	Pint	$0.44
94	Quart	.60
95	2 Quart	.67
96	4 Quart	1.03

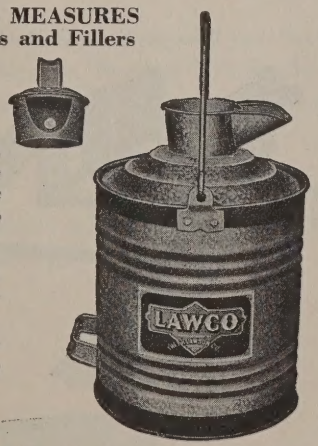
Polished Tin

Heavy weight tin, durably constructed.

No.	83	84	85	86
Capacity	Pint	Quart	2 Qt.	4 Qt.
Net Trade Price	$.37	.47	.57	.83

LAWCO GARAGE MEASURES
Gasoline Measures and Fillers

No. 350



Non-Evaporating

Built same as No. 150 except pouring lip and filler opening are in one piece and also has a reversible cap.

Serves as measure, filler and storage can.

Galvanized steel, will not leak. Very rugged and strong throughout.

Capacity 5 gallons.

11⅞ x 11⅝" high, **Net Trade Price** **$3.15**

No. 150

A sturdy and durably built can.

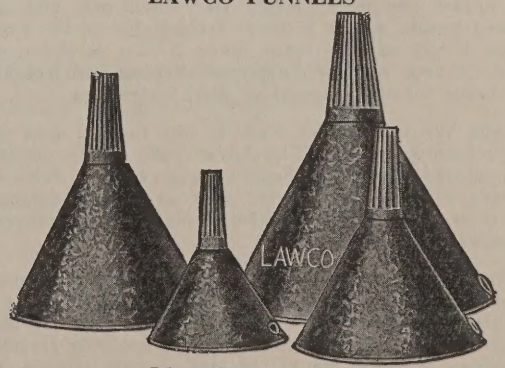
Designed for garages and filling stations and is very handy.

Heavy sheet steel, reinforced at every joint and heavily galvanized.

Capacity 5 gallons.

11⅞ x 11⅝" high, **Net Trade Price** **$2.46**

LAWCO FUNNELS



Plain Tin Funnels

Heavy weight tin, beaded edge, polished.

No.	15	20	25	30
Capacity	½ Pint	Pint	Quart	2 Qt.
Net Trade Price	$.08	.09	.12	.17

Galvanized Steel Funnels

Black steel, galvanized. All parts seamed and welded — then dipped in zinc. Heavy, durable, rust-resisting.

No.	20G	25G	30G	35G
Size	Pint	Quart	2 Qt.	4 Qt.
Net Trade Price	$.17	.24	.30	.37

SWING-SPOUT OIL MEASURES

In Sizes From 1 Pint to 2 Gallons

Solid Copper and Steel Copperplated

SWING-SPOUT Oil Measures in all sizes combine an improved measure with an off-set funnel that simplifies oil filling, saves oil and time and insures full measure. Every drop of oil drains quickly and accurately without leaking. No tilting. The leak-proof ground joint valve of solid brass allows oil to pour only when the spout is dropped. *Swing-Spout* Measures make oil filling a speedy one-hand operation.

Construction Features

All styles and sizes are made in both solid copper and heavy gauge steel, copperplated. The patented top of the Swing-Spout measure prevents oil splashing and spilling when full, and greatly reinforces the measure.

The spout is made of heavy drawn metal. The valve of solid brass has a tapered ground joint that absolutely insures against leakage. Automatically opens with lowering of spout. Guaranteed not to leak or get out of order.

	Net Trade Prices
1 Quart	$1.62
2 Quart	1.89
4 Quart	2.43
Set of 1, 2 and 4 Quart	5.35

WEAVER SERVICE RACK

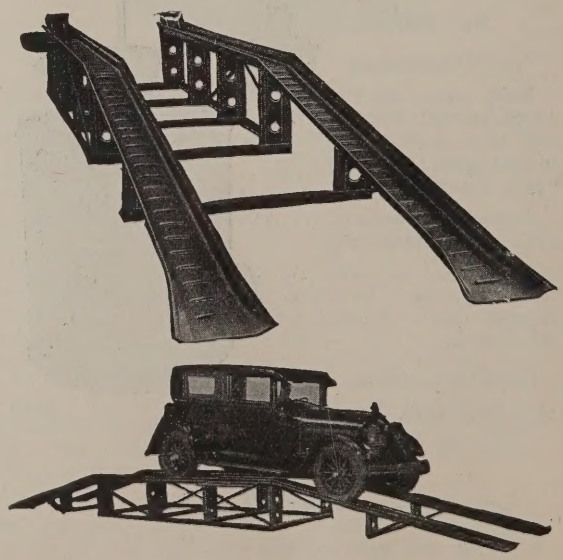
The Weaver model J Service Rack furnishes a quick, efficient, safe means of elevating cars to the most convenient height for general lubrication service. Extreme rigidity and strength are secured by the use of heavy, one-piece pressed steel horizontal and inclined treads, a new feature. Raised slits on the complete length of the treads make it easy to drive on and off rack without danger of slipping and provide openings for the disposal of dirt, water, etc.

The Weaver Service Rack is safe for the most inexperienced driver. The lower ends of the incline are spread, allowing wheels to enter easily. Sides of treads are high and curled over to prevent damage to tires. End bumpers are amply high to prevent accident.

Space between runways is unobstructed the entire length of the rack. Pressed steel running boards are located on each side of rack for convenience of mechanic. Constructed of pressed steel securely riveted. Length horizontal treads, 14 feet; length inclines, 12 feet. Height 26 inches. Shipping weight 967 pounds.

	Net Trade Price
No. **WL14** Model J Rack, single incline	$98.00
No. **WL15** Extra incline, ship. wght. 318 lbs.	30.00

Weaver Service Rack Model J



ANOTHER ADVANTAGE

You can avoid costly mistakes by getting the advice of Seedman's sales engineers before laying definite plans.

BRAKE SERVICE SECTION

A NEW BUSINESS BUT ALREADY A TREMENDOUS ONE.

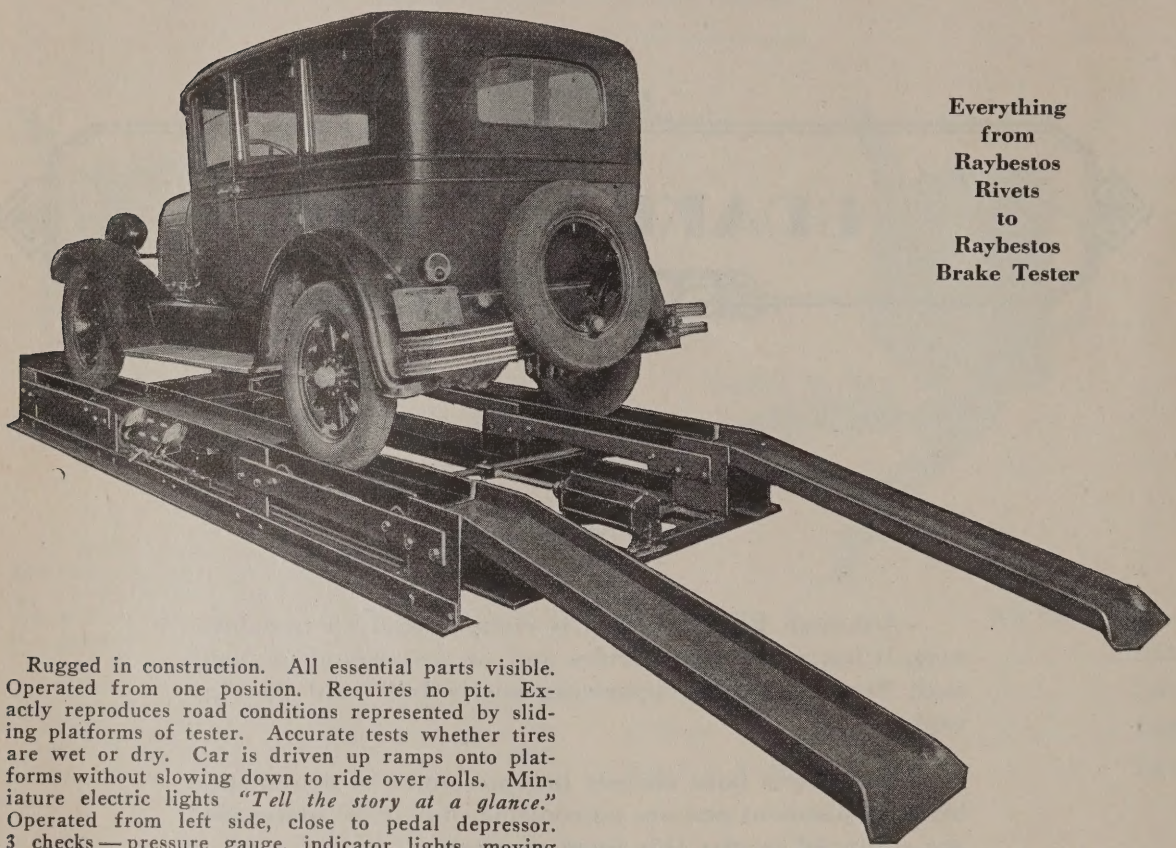
Although Brake Service is comparatively a new business, it has made great strides and we see around us many such Service Stations operating successfully and growing rapidly.

Consumers have already become educated to scientific brake adjustment and are patronizing only those places that are equipped to give this form of service.

Certainly, if you are thinking of entering the Super Service Station field, you cannot hope to have the greatest degree of success and profit unless you use the latest equipment.

On the following pages we illustrate the items of equipment which we feel are best adapted to this branch of the service.

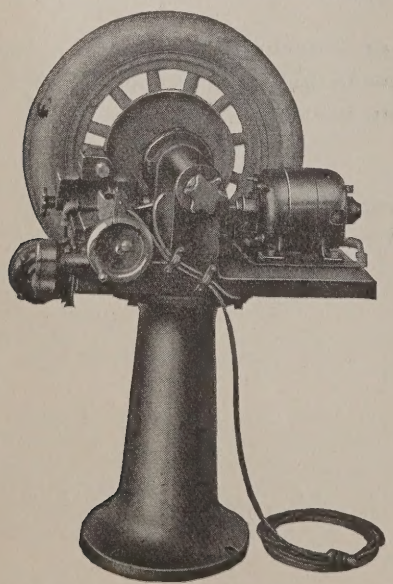
Raybestos BRAKE TESTER



Everything from Raybestos Rivets to Raybestos Brake Tester

Rugged in construction. All essential parts visible. Operated from one position. Requires no pit. Exactly reproduces road conditions represented by sliding platforms of tester. Accurate tests whether tires are wet or dry. Car is driven up ramps onto platforms without slowing down to ride over rolls. Miniature electric lights *"Tell the story at a glance."* Operated from left side, close to pedal depressor. 3 checks — pressure gauge, indicator lights, moving platforms. Length 21 feet. Width 5′ 8″. Height 16″. Weight crated, approximately 2200 lbs. Power from air compressor with accumulator tank of 5 cubic feet displacement, 100 lbs. pressure.

Net Trade Price, *F.O.B. Factory* **$500.00**



Complete Brake Lining Service Station Equipment consisting of items illustrated on these two pages as follows:

Raybestos Brake Tester, Drum Lathe with Honing attachment, No. 4 Combination (with rivets), Set of C & G Wheel Pullers and 500 ft. assortment of Raybestos Silver Edge Brake Lining.

ONLY* $1375.00 *F.O.B. Factory

BRAKE DRUM LATHE

Raybestos Drum Lathe trues the inside of drum **without** removing drum from wheel or removing or deflating tires. Refaces and trues scored brake drums, concave drums and out-of-round drums, automatically. Raybestos Drum Lathe is sturdily built and occupies very little floor space. It is operated by direct motor drive, thus avoiding the use of a belt. The lathe is delivered to you, ready to go to work and is provided with a 6 foot flexible cord and plug. No electrical work is necessary. Just plug into a convenient socket. Equipment includes arbors and bushings that take care of practically all makes of passenger cars, front and rear wheels.

Price, F.O.B., Worcester, Mass. **$525.00**

Attachments for handling truck jobs, additional.

Honing Attachment

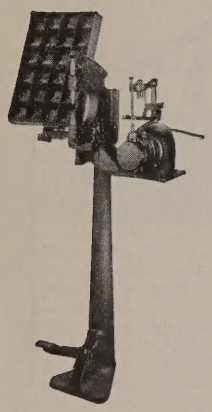
For those desiring a more highly polished drum finish, a special honing attachment can be supplied. This attachment has two special honing stones set at angle to give proper finish to drum after it has been turned on lathe.

Price **$20.00**

Truck Attachment

Arbors and bushings for truck wheels, spindle support for taking weight off truck wheels, tool holder with high speed bit, drawbar attachment for securely holding arbors in spindle; can be finished enabling drum lathe to take care of all trucks, at additional cost of —***F.O.B., Worcester, Mass.*** **$110.00**

No. 4 COMBINATION



The No. 4 Combination Brake Lining Machine Set concentrates several fundamental units of Raybestos Brake Service equipment, to provide an economical purchase for the serviceman who desires to handle brake work more efficiently.

The Combination comprises the following units, each of which may be purchased individually to complete a combination with equipment already on hand.

Gem Locating, Drilling & Countersinking Machine

Its speed and simplicity is an incentive to quicker and better brake relining work. Sold complete with four drills and countersinks, Allen set screw wrench, 1/6 H.P. Westinghouse 110 V. 60 cycle A. C. motor.

110 V. 25 or 40 cycle A. C., 220 V. 60 cycle, single phase, A. C., or 115 V. D. C. motors, $5.00 extra.

Riveting Machine

A well-built, inexpensive machine with six tools: 1/8" roll set, 3/16" roll set, star set, punch, anvil and die holder.

Raybestos Rivet Cabinet

With 12-Lb. Assortment of Rivets

A steel cabinet with compartments for each size rivet and an assortment of rivets of popular sizes determined from frequency of demand over a number of years.

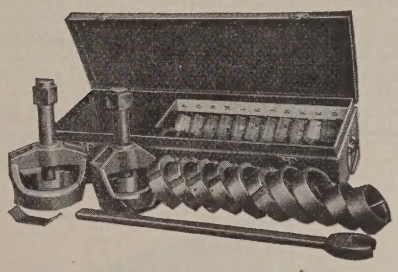
Assortment comprises:

½ lb. No. 1, No. 2, No. 16.
1 lb. No. 15, No. 24, No. 31, No. 32.
1½ lbs. No. 7, No. 8, No. 9.
2 lbs. No. 10.

A sturdy, heavy Pedestal supports the Combination with the assistance of specially constructed brackets.

Net Trade Price, *Single Phase A. C. Motor*, $90.00

C. & G. RAYBESTOS SUPER WHEEL PULLER



The C. & G. Raybestos Super Wheel Puller, which fits 375 cars, consists of one Universal Wheel Puller, one Special Wheel Puller, with a keeper for each puller, 10 adapters for the Universal puller, 14 adapters for the Special puller, and a large drop forged wrench.

This outfit is put up in a heavy steel box, with hinged cover securely closed by trunk fasteners. It is equipped with convenient drop handles for carrying.

The body of the puller is a one-piece high point carbon steel casting. It has ample strength and is handy to use. The thread through the body of the puller for the power screw is extra long, which eliminates the possibility of stripping.

The adapters are of ductile metal tapered on the outside to fit the bore of the puller body. They contract to exactly fit the hub threads with a powerful grip. The adapters are interchangeable and cannot be broken in use.

A chart, furnished with each puller, lists 375 cars in alphabetical order. A glance at the chart tells which adapter to use.

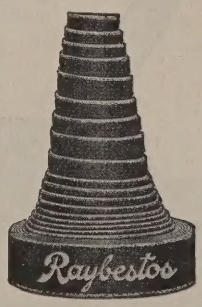
The C. & G. Raybestos Super Wheel Puller, complete with two wheel pullers, two keepers, 24 adapters and heavy wrench sells for

Net Trade Price $60.00

500 Feet Raybestos Silver Edge Brake Lining

Suggested assortment for opening station:

100 ft.	1½ x 3/16"	$ 0.80 per ft.	$ 80.00
100 ft.	1¾ x 3/16"	.90 " "	90.00
100 ft.	2 x 3/16"	1.00 " "	100.00
100 ft.	2¼ x 3/16"	1.10 " "	110.00
100 ft.	2½ x 3/16"	1.25 " "	125.00
	Less 65%	$505.00	$176.75



SPECIAL DEALERS' HELPS

We not only furnish complete brake service station equipment, but we offer every possible aid to the serviceman after he has purchased this equipment.

We supply dealer helps of all kinds. Matrices for newspaper advertising. Folders. Blotters. Wall hangers. A brake service sign. Form letters. "The Silver Edge" — a magazine devoted to brakes and brake service.

Brake service bulletins. Clutch data, brake lining data, flat rate price book, price lists, chart of stopping distances and many additional factors which help to bring owners into your shop.

In other words, here is everything necessary to create and develop permanent and profitable brake service business.

Silver Edge Raybestos BRAKE LINING

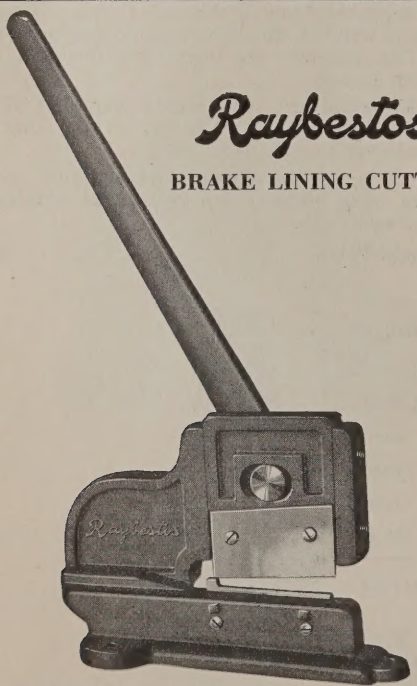
Trade discounts on Brake Lining on application

Thickness	WIDTH																			
	1″	1⅛″	1¼″	1½″	1¾″	2″	2¼″	2½″	2¾″	3″	3¼″	3½″	3¾″	4″	4¼″	4½″	4¾″	5″	5½″	6″
⅛″	.45	.50	.55	.65	.75	.90	1.00	1.10	1.20	1.30	1.40	1.50	1.65	1.80	1.90	2.00	2.10	2.20	2.40	2.60
5/32″	.50	.55	.60	.70	.80	.95	1.05	1.20	1.30	1.40	1.50	1.60	1.75	1.90	2.00	2.10	2.25	2.40	2.60	2.80
3/16″	.55	.60	.65	.80	.90	1.00	1.10	1.25	1.40	1.50	1.65	1.75	1.90	2.00	2.10	2.20	2.35	2.50	2.75	3.00
¼″	.75	.85	.90	1.00	1.20	1.35	1.50	1.70	1.85	2.00	2.20	2.35	2.50	2.70	2.85	3.00	3.20	3.40	3.70	4.00
5/16″	.95		1.10	1.30	1.50	1.65	1.90	2.10	2.30	2.50	2.70	2.90	3.10	3.30	3.55	3.75	3.95	4.20	4.60	5.00
⅜″	1.10		1.35	1.55	1.80	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.50	6.00

RAYBESTOS *GOLD EDGE* BRAKE LINING

Trade discounts on Brake Lining on application

Thickness	WIDTH																			
	1″	1⅛″	1¼″	1½″	1¾″	2″	2¼″	2½″	2¾″	3″	3¼″	3½″	3¾″	4″	4¼″	4½″	4¾″	5″	5½″	6″
⅛″	.60	.65	.70	.85	1.00	1.15	1.30	1.45	1.55	1.70	1.75	1.90	2.00	2.15	2.30	2.40	2.50	2.65	2.90	3.10
5/32″	.65	.70	.80	.90	1.05	1.25	1.35	1.55	1.70	1.80	1.90	2.00	2.10	2.30	2.40	2.50	2.70	2.90	3.10	3.35
3/16″	.70	.80	.85	1.05	1.15	1.30	1.45	1.65	1.80	1.95	2.05	2.20	2.30	2.40	2.50	2.65	2.80	3.00	3.30	3.60
¼″	1.00	1.10	1.15	1.30	1.55	1.75	1.95	2.20	2.40	2.60	2.75	2.95	3.00	3.25	3.40	3.60	3.85	4.10	4.45	4.80
3/16″	1.25		1.45	1.70	1.95	2.15	2.45	2.75	3.00	3.25	3.40	3.65	3.70	3.95	4.25	4.50	4.75	5.05	5.50	6.00
⅜″	1.45		1.75	2.00	2.35	2.60	2.95	3.25	3.60	3.90	4.05	4.40	4.50	4.80	5.10	5.40	5.70	6.00	6.60	7.20



Raybestos BRAKE LINING CUTTER

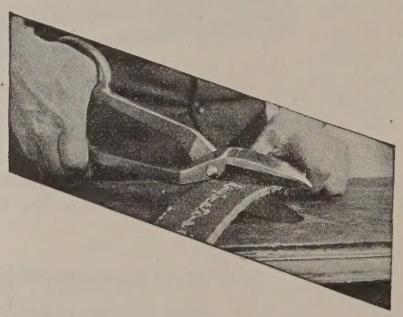
Cuts the lining clean with single stroke and is more rapid and more economical than the use of tin snips or hack-saw.

An extra long handle (15 inches) provides sufficient leverage to operate without undue effort.

The best of blades will become dull after a time and so the cutter's tempered steel blade (3½ inches wide) is easily removed for sharpening.

Brake Lining Cutter ..... **Net Trade Price $15.00**

RAYBESTOS BRAKE LINING SHEARS



Constructed of a frame of tough drop forged steel, the cutting edge of each blade bearing a piece of high carbon tool steel.

Cuts cleanly without forcing the wire into the fabric. Prevents wasted lining caused by ragged cut.

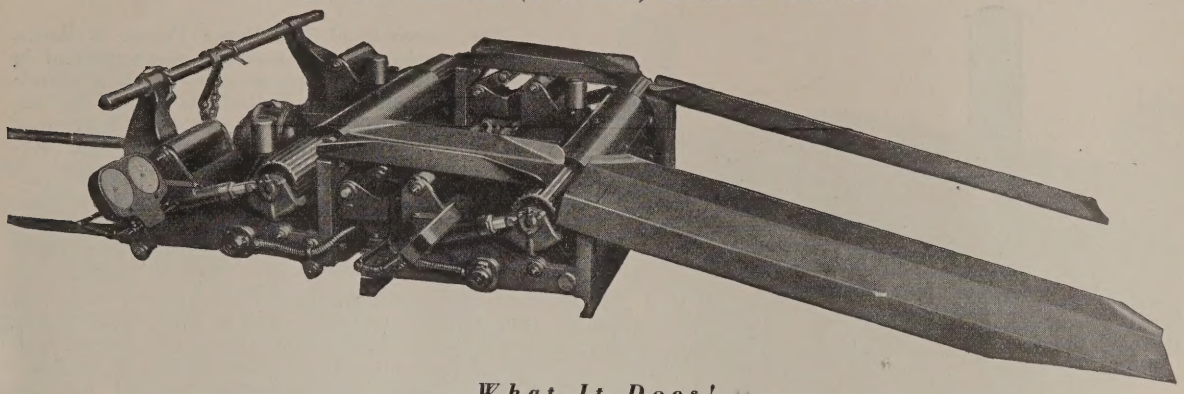
Net Trade Price **$3.00**

RAYBESTOS ATTACHING KIT

Comprises, with the exception of hammer, vise and hand drill, all the necessary tools for relining brakes — drill, tubular countersink, tapered countersink, anvil, hollow rivet set, tubular rivet set and an assortment of tubular rivets most frequently used. Packed in a steel box with a compartment for each.

Net Trade Price **$3.00**

JUMBO GIANT (*4 Wheel*) BRAKE TESTER



What It Does!

Brings motorists into your place of business.
Sells labor for making adjustments.
Opens up new markets for brake linings, bands and supplies.
Tests net braking results with precise accuracy under conditions similar to road service.
Assures the motorist that the adjustment of his brakes is *absolutely right* and *dependable.*
Shows the car owner or driver the exact conditions of all brakes. He can see for himself, and the evidence is beyond dispute.
Instantly and accurately detects out-of-round brake drums—revenue from this source is remarkable.
Multiplies the number of brake tests that can be made in a day, eliminates the time and expense of road tests and public liability, and takes all the "guess" out of brake adjustment.
Establishes the service station or dealer equipped with a Jumbo Giant Brake Tester in a position of prominence as the leader in automotive repairs and adjustment in his locality — this brings in *more* business.
Builds good-will and "word of mouth" advertising. "They come back to the place where Jumbo tested their brakes."

TWELVE EXCLUSIVE JUMBO FEATURES

1—Automatic Jumbo Principle (Full patents pending) gives correct gauge reading for all cars — no charts required.
2—Jumbo is much faster in operation and costs less to run. It is a practical money making machine for practical men.
3—Hydraulic measuring system used is simple, direct and absolutely accurate.
4—Separate gauges for each wheel, all located on left side of Tester, easily read, quickly compared.
5—Open side tester design gives maximum of light under car — easier and quicker to get under.
6—Height of tester from floor 16½ inches clearance running board to floor, approximately 30 inches —length over all 21 feet, width 7 feet 6 inches.
7—Correct balance. One motor driving each pair of wheels permits perfect balancing without allowing for motor variation.
8—Two piece shipment. Tester fully assembled except track, and approach inclines.
9—Easily installed in half a day. No pit required but if desired either 2 or 4 wheel tester can easily be installed over pit with driving and supporting rolls at floor level.
10—Thoroughly tried and tested; on market for past year.
11—Finest materials and best workmanship throughout. No finer tester can be built.
12—Price is low due to large production in the two million dollar Jumbo Plants and to modern selling and distributing methods.

General Specifications
Equipped with Full Lockheed Type Compensating Hydraulic System

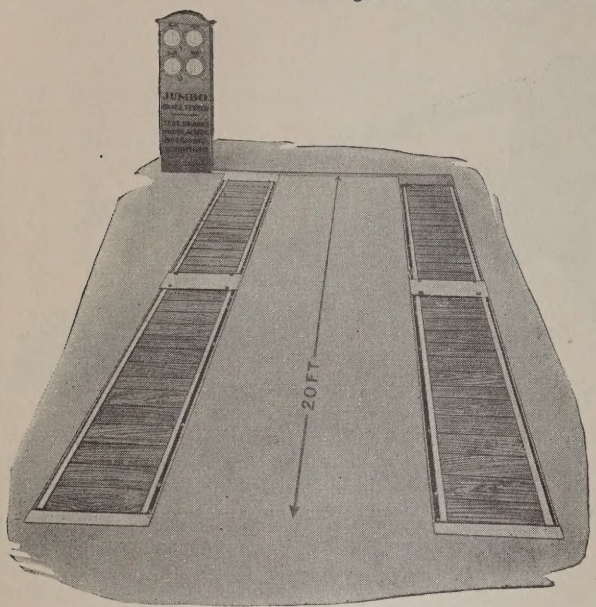
Shipping weight 2860 pounds — crated in two piece shipment. Installed weight 2430 pounds. Both front and rear units regularly equipped with 1½ H. P. Three Phase 60 cycle 220 volt A. C. Motors. Motor Speed 1800 R. P. M. Drive through 60-1 reducer turns automobile wheels about 5 R. P. M.

Each Jumbo Brake Tester is operated under actual working conditions, carefully tested and checked before leaving the factory. Complete installing and operating instructions accompany each shipment.

Model No.	H. P.	Phase	Voltage	Cycle	Net Trade Price
L 43-22	1½	3	220	60	$1275.00
L 43-44	1½	3	440	60	Add 10.00
L 43-11	1½	3	110	60	" 40.00
L 41-22	1½	Single	220	60	" 95.00
L 41-11	1½	Single	110	60	" 95.00
L 40-22	1½	D. C.	220		" 105.00
L 40-11	1½	D. C.	110		" 105.00
L243-25	2	3	220	25	" 105.00
L243-30	2	3	220	30	" 105.00
L243-60	1½	2	220	60	" 40.00
L243-50	1½	3	220	50	" 10.00

Above Prices F. O. B., Rockford, Ill.

JUMBO ROAD TEST BRAKE TESTER



MODEL NO. 15, STANDARD TYPE, weight capacity 10,000 pounds, length overall 20 feet 4 inches, shipping weight crated 1,650 pounds.

The JUMBO Road Test Brake Tester, as shown below, consists of four movable platforms laid in pairs end to end to accommodate the four wheels of an automobile. Each platform is nine feet six inches long and has at its end a fluid pressure measuring system, which is connected to its correct gauge on the instrument board.

The fluid pressure system operates at low pressures, is of long life, requiring practically no service and is extremely accurate. The gauges register *actual pounds* of road pull on each wheel.

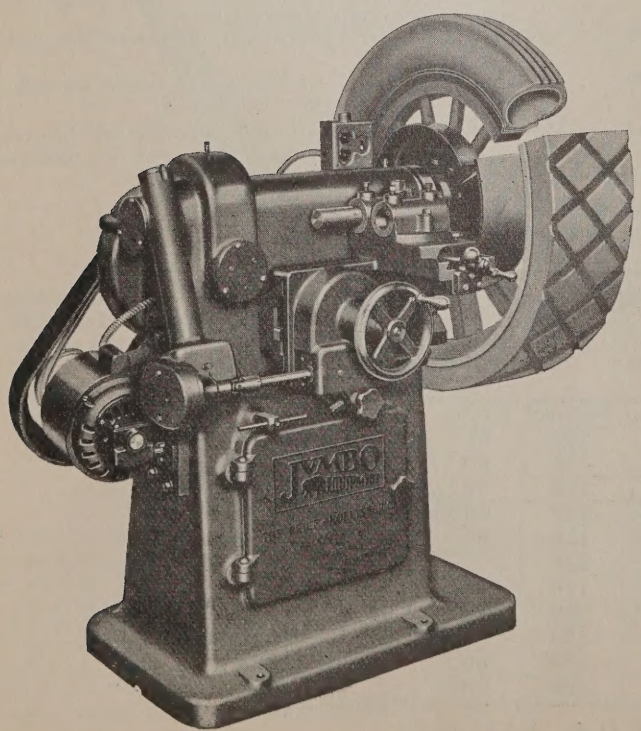
To make a test, the car is driven forward on the movable platforms and is brought to a stop by applying brakes, the braking resistance of each wheel is transferred through its tire to the platform, causing platforms to press forward (horizontally) against the fluid pressure diaphragms located at the end of each of the four platforms. This force in turn is registered in pounds on the four gauges on the instrument board.

The four movable platforms are mounted on casters with ball bearings on each side, and as the total forward movement is less than one-eighth of an inch, the frictional losses are negligible and the true retarding force of each wheel in pounds is shown on the gauges.

Net Trade Price, *F.O.B., Rockford, Ill.* $495.00

Model No. 24, Two-Way Type, same as Standard Model No. 15, except it has a measuring system installed at both ends of each runway and two complete instrument boards. On this two-way model cars may be tested by coming on tester from either direction. It is particularly adapted for installation in gasoline stations and service stations where tests of cars entering from either direction are desired. Weight capacity 10,000 pounds, length overall twenty feet eight inches, shipping weight crated 1,900 pounds, Net Trade Price, F.O.B. Rockford, Illinois $695.00

Model No. 30, Truck and Buss Type, same as standard type but larger and much heavier in construction. The most effective tester ever developed for trucks and busses as tests are made under actual operating conditions, with full load if desired, and in an absolutely safe and fool-proof manner. Model No. 30 tests in one direction only. Weight capacity 20,000 pounds, length overall 30 feet, width each platform 26 inches, shipping weight crated 3,000 pounds. Net Trade Price, F.O.B. Rockford, Illinois $950.00



JUMBO BRAKE DRUM TRUING AND GRINDING MACHINE

Powerful and extremely accurate, the Jumbo trues and refinishes brake drums at high speed and low cost. Any type or size of wheel is easily mounted, and turning or grinding on inside or outside of the drum begins immediately.

An automatic stop releases the operator for other work such as relining bands, overhauling or adjusting brake mechanism or replacing wheels. When a drum has been reconditioned on the Jumbo, it is a matter of but a few moments to dismount the wheel and put on another one. Change from one type of wheel mounting or mandrel to another is made in a moment by loosening one nut. In the majority of cases the brake drum need not be removed from the wheel. When special wheel construction or mountings make this necessary, the drums may be mounted quickly on standard Jumbo face plate. Jumbo is faster—more accurate—and does better work.

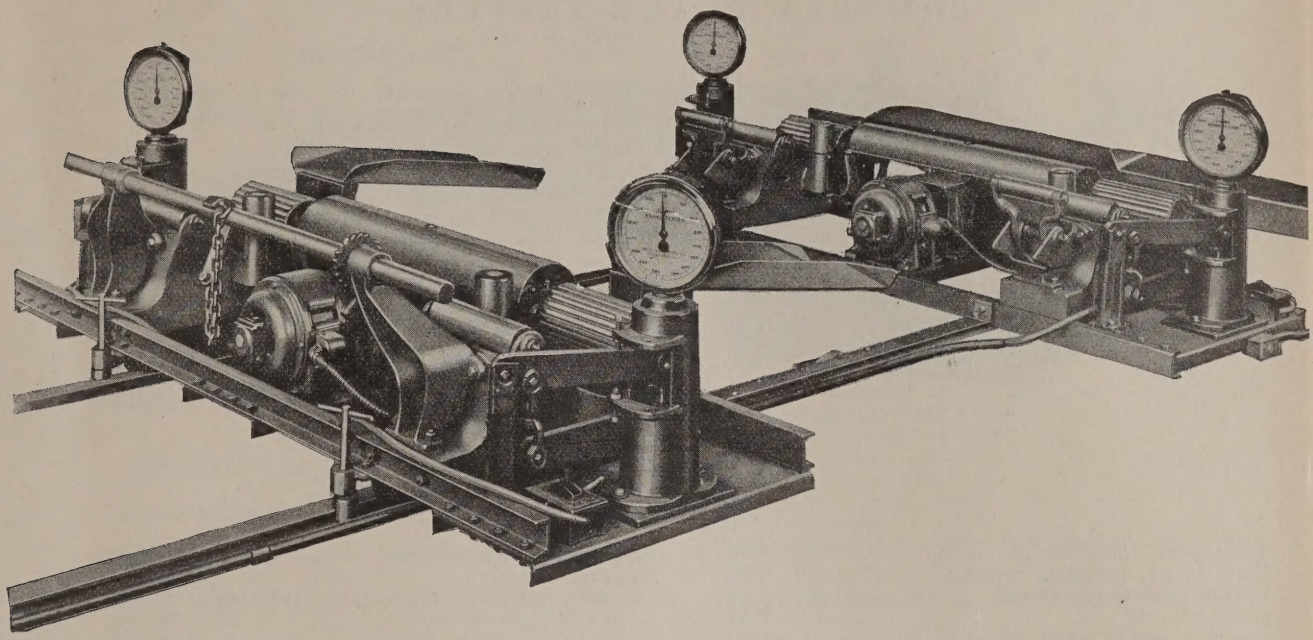
Detail Specifications

Sizes, Weights and Net Trade Prices

Floor Space, 22″x30½″ (size of base).
Weight 1280 lbs. Shipping weight including equipment 1600 lbs.
Price of Jumbo Brake Drum Conditioner with ½ H.P. A.C. 110 or 220 volt, 50 or 60 cycle motor and equipment: (Specify voltage and cycles when ordering).
For Passenger car brake-drums only (Model No 100) $695.00
For Truck brake-drums only (Model No. 150) 725.00
For both passenger car and truck brake drums (Model No. 250) 795.00
For D.C. Motors add $7.50 to above prices.
For 25-30 or 40 cycle motors add $31.50 to above prices.
For grinding attachment on all models **add $95.00**

All Prices quoted F.O.B., Rockford, Illinois

JUMBO AUTOMATIC (*4 Wheel*) BRAKE TESTER



Extremely sensitive, fast in operation, and absolutely accurate—the Jumbo-Mechanical provides the last word in Brake Testers for operators who desire this type of equipment. Massive in construction, carefully built by expert workmen, made of the best materials obtainable; this machine should last a lifetime with little or no upkeep and its profit-producing possibilities are unexcelled.

The *same Jumbo principle* is used in the Mechanical Type as in the Hydraulic. Corrugated rolls mounted on rocker arms and driven in pairs by electric motors turn the car wheels. The rocker arms move forward as the car wheels are retarded by the brakes. In the Mechanical Type Jumbo the braking effect is transmitted through scale beams mounted on knife-edges to four large, direct-reading, *swiveling* gauges which indicate the relative braking effect exerted on each wheel, drums out-of-round, etc. Each gauge is located beside the wheel on which it indicates the braking effect.

Except for the location of the gauges, and the means of the transmitting motion of the rocker arms to them, the two types of Jumbo Brake Testers are exactly alike in construction.

The Mechanical Type Jumbo Brake Tester does not supplant the Hydraulic Type in any way; either can be used for all brakes to be tested, the selection depending upon the requirements and the preferences of individual operators.

The operation of the Jumbo Mechanical Type is just the same as that of the Hydraulic. In testing cars of the same make in quantities on the Mechanical Type a Pedal Depressor may be used and the mechanic works around the car on each wheel successively, making adjustments and taking readings as he goes along.

General Specifications — Mechanical Type

Height of tester from floor, 16½ inches, clearance running board to floor, approximately 30 inches. Length over all 21 feet, width 9 feet.

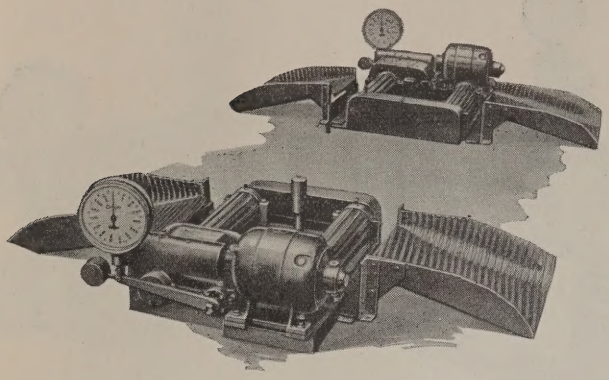
Shipping weight 3200 pounds — crated in two piece shipment. Installed weight 2770 pounds. Both front and rear units regularly equipped with 1½ H. P. Three Phase 60 cycle 220 volt A. C. Motors. Motor Speed 1800 R. P. M. Drive through 60-1 reducer turns automobile wheels about 5 R. P. M.

Each Jumbo Brake Tester is operated under actual working conditions, carefully tested and checked before leaving the factory. Complete installing and operating instructions, with each shipment.

Model No.	H. P.	Phase	Voltage	Cycle	Net Trade Price
83-22	1½	3	220	60	$1450.00
83-44	1½	3	440	60	Add 10.00
83-11	1½	3	110	60	" 40.00
81-22	1½	Single	220	60	" 105.00
81-11	1½	Single	110	60	" 105.00
80-22	1½	D. C.	220		" 130.00
80-11	1½	D. C.	110		" 130.00

All Prices F.O.B. Rockford, Ill.

COWDREY BRAKE TESTERS



No. 1 JUNIOR

It's no longer necessary for you to stay out of scientific brake adjusting for lack of equipment.

Here's the way to *start*. A new No. 1 Junior Cowdrey for only $550.00 Most of the cars on the road weigh less than 3000 lbs. This machine is built to suit this great majority of light cars. All Cowdrey features built in despite low price.

Tests 2 wheels at one time. More accurate adjustment on all four wheels,—and in less time,—than is possible with mere equalizing devices.

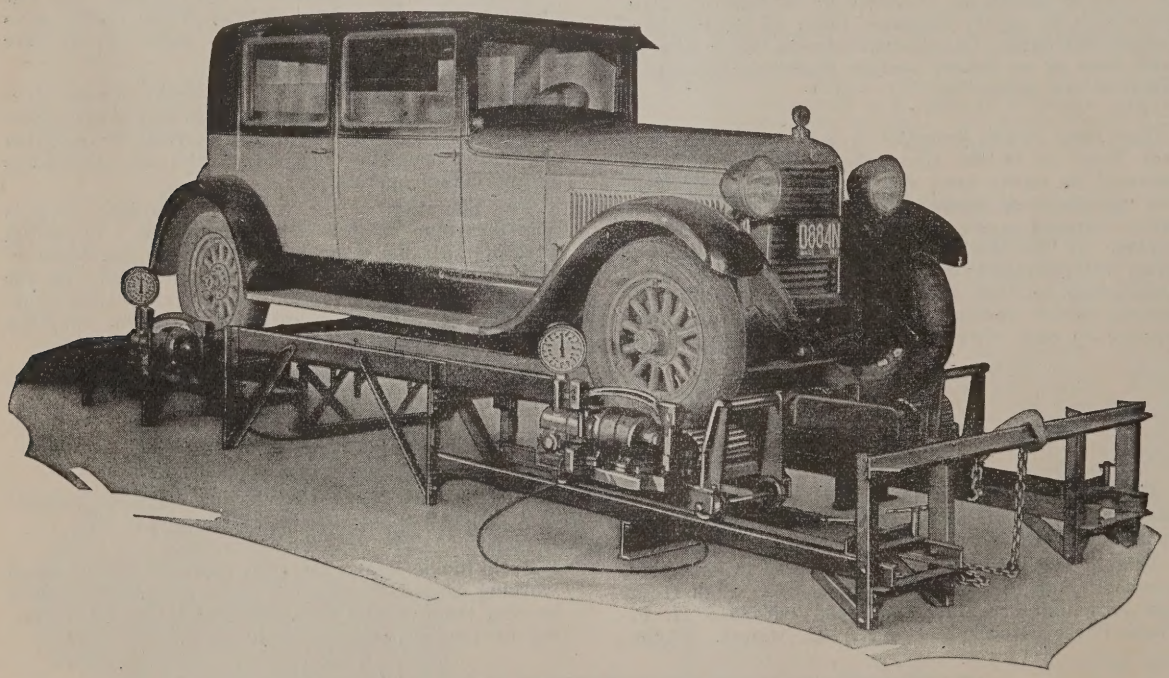
It does a complete job; — detects eccentric drums, greasy or glazed lining, and enables operator to predict stopping distance and give car owner a certificate.

Specifications

No. 1 Junior

Total width across car	8 ft. 10 in.
Total length, including ramps	6 ft. 0 in.
Height, floor to top of roll	0 ft. 6 in.
Speed of rolls	9.2 R.P.M.
Speed of vehicle wheel, 32″ tire	1.3 R.P.M.
Motors to fit local current	¼ H. P.
Shipping weight	700 lbs.
Capacity, vehicles not exceeding 3000 lbs.	
Road pull, each wheel	800 lbs.
No. 1 Jr., Net Trade Price	**$550.00**

F.O.B., Fitchburg, Mass.



No. 9 Regular Model

Movable ramps can be unhooked — self-adjusting for various lengths of wheel bases up to 150 inches. Takes any passenger car or light truck. Furnished with 24″ wide rear rolls for dual tires at $540.00 additional.

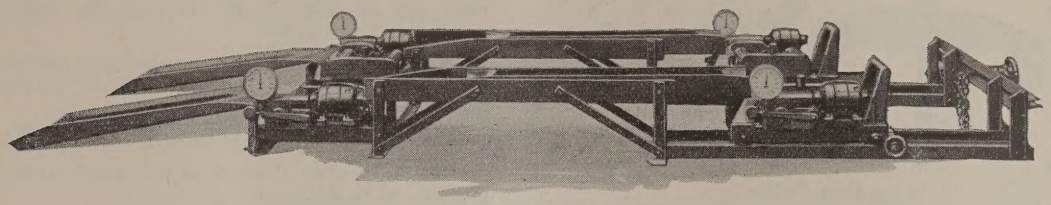
Mounted on rack 20″ high — Drive on, back off— Length, including ramp, 22′ 5″; Height, floor of garage to top of rack, 25″; ½ H. P. Motors supplied to meet local current qualifications without extra charge. Capacity up to 6000 pounds. Accurate in every respect. Detects out-of-round drums and gives complete check-up on all brake lining conditions. Shows pounds of road pull. Cannot get out of adjustment. Leaves nothing to guesswork and pays for itself by showing the Car-Owner when he needs new brake lining, drum re-grinding, etc.

Net Trade Price, *F.O.B., Fitchburg, Mass.*

Complete $1710.00

COWDREY BRAKE TESTER

No. 9 JUNIOR



Not recommended for general brake service work, except as secondary equipment.

This is still Cowdrey Equipment, — Ball Bearings, Alemite Lubrication, etc.; — and contains all the features of the regular model from which it is merely reduced in size, capacity and price.

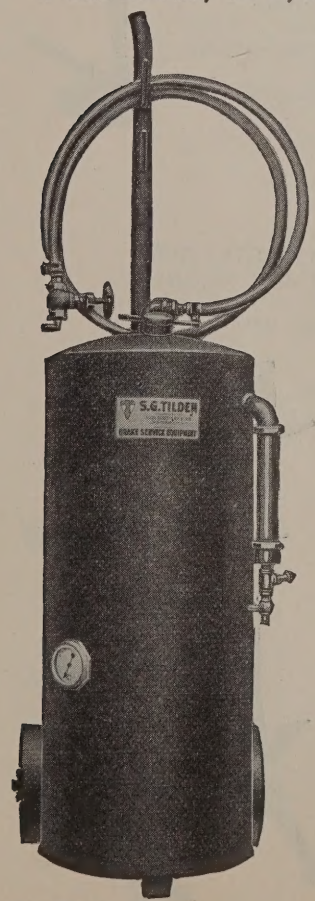
Specifications
No. 9 Junior

Total width, across car	8 ft. 0 in.
Total length including ramps	18 ft 7 in.
Height, floor to top of rolls	1 ft. 0 in.
Speed of rolls	9.2 R.P.M.
Speed of vehicle wheel, 32″ tire	1.3 R.P.M.
Motors, to fit local current	¼ H. P.
Shipping weight	2150 lbs.
Maximum capacity, 135″ wheel base, 3000 lb. vehicle	
Road pull, each wheel	800 lbs.

Net Trade Price, *F.O.B., Fitchburg, Mass.* $1185.

THE TILDEN *"HYDRAULISTAT"*

A Real Necessity for Hydraulic Brake Service

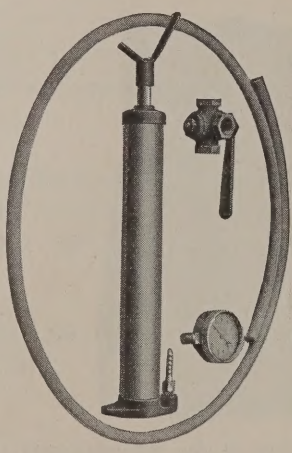


HYDRAULIC *Brake* System can be flushed and "bled" (the process of removing the air) in five minutes with the Tilden Hydraulistat. The 30-pound per square inch pressure used easily forces out the thickest fluid.

Thus is driven out one of the bugaboos of hydraulic brake service. With the hydraulistat there is no waiting in winter for the fluid to warm up, and no waiting at any time for gravity to do its work. The ease and speed with which hydraulic brakes can be serviced with this invention are a revelation to those who have been forced to rely upon slower methods.

Net Trade Price $45.00

THE TILDEN PNEUMATIC PEDAL DEPRESSOR



The Tilden Pneumatic Pedal Depressor is the latest contribution to scientific brake service. With this equipment installed on your brake tester, the brakes of the car to be tested are applied by compressed air and controlled from a convenient point OUTSIDE of the car.. Compressed air supply of 80 pounds per square inch is sufficient, but 100 pounds per square inch supply is recommended for maximum application.

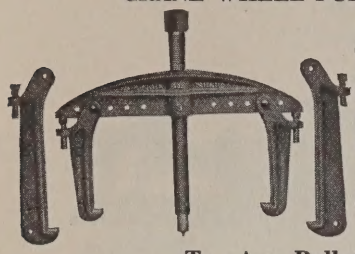
The Tilden Pedal Depressor can be used with any of the standard makes of brake testers but is designed especially for use with the Raybestos Brake Tester, which is already piped for simple connection. No other source of power is required.

Net Trade Price $30.00

ANOTHER ADVANTAGE

Our sales engineers' experience will save you time, money and worry; no charge for this service.

CRANE WHEEL PULLERS



MADE in TWO STYLES, a Two-Arm Puller and a combined Two-Arm Puller and Three-Arm Puller, called a Crowfoot Puller, as shown.

Four Sizes

No. 0, No. 2, No. 3 and No. 3X.

Two-Arm Puller

No. 0 Pullers

Small size for light work. Equipped with 3″ and 6″ arms. Accommodates diameters up to 6″. Center Screw ⅝″ by 9″.

	Net Trade Price
No. 0 Two-Arm Puller, weight boxed, 5 lbs.	$ 4.50
No. 0 Crowfoot Puller, weight boxed, 8 lbs.	6.75

No. 2 Pullers

Medium size. Equipped with 6″ and 10″ arms. Accommodates diameters up to 12″. Center screw 1″ by 14″.

No. 2 Two-Arm Puller, weight boxed, 24 lbs.	10.50
No. 2 Crowfoot Puller, weight boxed, 37 lbs.	15.00

No. 3 Pullers

Large size. Equipped with 7″ and 11″ arms. Accommodates diameters up to 18″. Center screw 1¼″ by 17″.

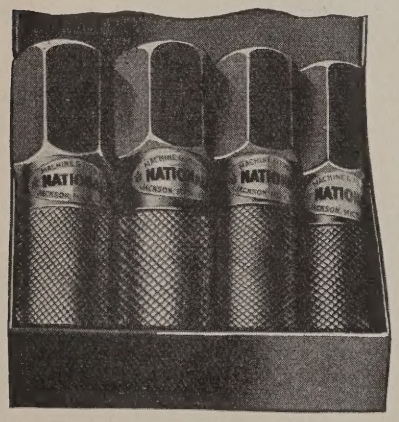
No. 3 Two-Arm Puller, weight boxed, 39 lbs.	15.00
No. 3 Crowfoot Puller, weight boxed, 65 lbs.	21.00

No. 3X Pullers

Extra large size. Equipped with 8″ and 13″ arms. Accommodates diameters up to 24″. Center screw 1½″ by 20″.

No. 3X Two-Arm Puller, weight boxed, 65 lbs.	24.75
No. 3X Three-Arm Puller, weight boxed, 110 lbs.	37.50

NATIONAL WHEEL PULLERS



Thread Size, 1 inch 14. Will fit the following cars: Studebaker Heavy 6 and Special 6, Olds 4-1821-22, Oakland new model 6-66, Auburn, Dixie Flyer, Elgin, Haynes, Chevrolet Truck and Buick Standard.
Net Trade Price **$1.50**

Thread Size, ⅞ inch 14. Will fit the following cars: Paige, Hupp, Essex, Buick, Chalmers, Dodge, Peerless, Cleveland, all Oaklands, Overland new style, Jordan, Chrysler, Nash, Templer, Stearns, Columbia, Hudson, Ford Ton Truck, Holmes, Maxwell Truck, Mitchell, Monroe, Moon, Pullman, Rower, Ross 8, Standard 8, Velie, Wescott, Yellow Cab, Studebaker Light 6, Federal Knight Ton Truck.
Net Trade Price **$1.50**

Thread Size, ⅞ inch 18. Will fit the old model 20 Willys-Knight.
Net Trade Price **$1.50**

Thread Size, ¾ inch 16. Will fit Maxwell, Dort, Saxon, National, Flint 6, Gardner, Chevrolet 1926.
Net Trade Price **$1.20**

Thread Size, ⅝ inch 18. Will fit Overland 4 old style 1920-21-22, Ford Model T and Chevrolet 490, Star, Essex Light 6 and Durant 4.
Net Trade Price **$1.00**

Set of ⅝, ¾, ⅞, and 1″ **$4.95**

BREEZE BRAKE LINING MACHINE

The Breeze Junior Brake Lining Machine will reline Bendix, Nash, Autocar, Pierce-Arrow, Chevrolet and all other brake shoes of the internal expanding I-Beam type.

The Breeze Junior will handle such Bands with the same ease, speed and efficiency as it relines all brakes of the conventional design.

It will reline all brakes at a profit.

It is the nearest thing to a universal brake lining machine ever designed.

In construction, it represents years of careful study and design.

Complete

With G. E. Motor
¼ H. P. — 110 V.
60 Cycle A. C.

Net Trade Price - - - $65.00

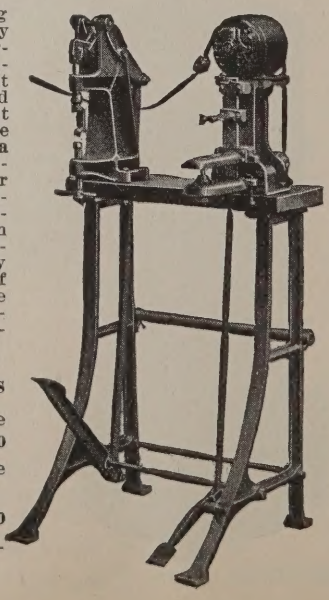
This Price Includes:

1 - anvil bushing
1 - 3/8″ anvil
1 - 1/2″ anvil
1 - 1/8″ tubular set
1 - 3/16″ tubular set
1 - star set
1 - rivet punch (Standard)
1 - extra punch tip (Standard)
1 - 1/8″ tubular set (Bendix special)
1 - rivet punch (Bendix special)
1 - rivet punch (Nash special)
1 - extra Nash Punch Point
1 - extra punch tip (Bendix special)
1 - self-locking cotter pin
1 - 1456 x 13/32 countersink drill
1 - 1925 x 13/32 " "
1 - 1425 x 15/32 " "
1 - 1925 x 17/32 " "
1 - tool tray

MANLEY COMBINATION BRAKE RELINING MACHINE

(Heavy Duty)

Better Brakes having become a demand by the present day motorist, the Manley Engineers with this thought in mind, have developed brake lining equipment that will handle the jobs quickly with a greater degree of accuracy than any other equipment on the market today. This equipment is made up in units to meet the requirements of every shop, the efficiency of each unit being the same. Either combination or individual machines are available.



NET TRADE PRICES

No.	Ship. Wt.	Price
825-A	205 lbs.	**$95.00**

For 110 volts, 60 Cycle A. C. Current

825-B	205 lbs.	**$99.50**

For 115 Volts, D.C. Current. Other Voltages and Cycles Extra

BATTERY SERVICE SECTION

AN ESSENTIAL SERVICE REQUIRING LITTLE INVESTMENT

This is a service for which there is a constant demand and one that is absolutely essential to the car owner. The Service station or garage that is operating today without a battery service department is inviting its customers to take their business elsewhere.

Fortunately, a battery service department can be installed with but very little investment and very little additional operating expense.

There are fine profits to be realized not only from the service rendered and the other business that it attracts, but from the sale of new batteries. This last item alone should develop into very large volume.

We list on the following pages the items in this line that we feel are the leaders in the field.

Seedman

Certified BATTERIES

The Battery with the

3 year guarantee

Passenger Car Specification Chart

Revised to March 15, 1929

GROUP	MAKE	YEAR	MODEL	BATTERY TYPES (Choice) 1st	2nd	3rd
1	Ajax	1925-26	All	A311	B313	B311
1	American Six	1920-25	All	A311	B313	B311
2	Anderson Six	1921-25	All	A313	B315	
2	Apperson	1921-26	All 6 & 8 cyl.	A313	B315	
1	Auburn	1920-26	All 4 cyl.	A311	B313	B311
1		1920-29	6 cyl. 6-43, 6-66, 6-76, 76	A311	B313	B311
2		1920-29	All other 6 cyl.	A313	B315	
2		1925-29	All 8 cyl. except 88	A313	B315	
1		1928-29	8 cyl. 88	A311	B313	B311
2	Bay State	1922-26	All 6 cyl. and All 8 cyl.	A313	B315	
1	Buick	1920-21	All 4 cyl.	A311	B313	B311
13	Buick	1929	Standard 6	B313NH		
1		1921-28	Standard 6	A311	B313	B311
2		1921-29	Master 6	A313	B315	
6	Cadillac	1920-29	All 61, 63, 311, 311, 311A, 311B.	A319	Special	
2	Case	1920-26	All except Models X & Y	A313	B315	
3		1920-26	Models X & Y	A315		
2	Chandler	1920-26	All 6 cyl.	A313	B315	
1		1927-28	Standard 6, Special 6	A311	B313	B311
1		1929	6 cyl. Model 65, 8 cyl. Model 75	A311	B313	B311
2		1928-29	Big 6 and 8 cyl. Models, Royal 8 and 85.	A313	B315	
1	Chevrolet	1922-28	All	A311	B313	B311
13	Chevrolet	1929	All 6 cyl.	B313NH		
13	Chrysler	1921-28	All 4 cyl.	B313NH		
2		1921-29	Models 60, 62, 65, 70, 72, 75	A313	B315	
4		1926-29	All Model 80	A317		
1	Cleveland	1919-26	All	A311	B313	B311
3	Cunningham	1920-29	All	A315		
1	Davis	1920-27	Models 71, 90, 93, 94	A311	B313	B311
2		1920-29	Models 63, 81, 91, 92, 99	A313	B315	
1	De Soto	1929	All	A311	B313	B311
3	Diana	1925-27	All	A315		
5	Dodge	1920-26	All 4 cyl. up to Serial No. A518-120	A67		
2		1926 up	All 4 cyl. later than Serial No. A518-120	A313	B315	
2		1928-29	Standard 6, Victory 6	A313	B315	
3		1928-29	Senior 6	A315		
1	Durant	1920-29	All 4 cyl.	A311	B313	B311
2		1920-29	All 6 cyl.	A313	B315	
1	Elcar	1920-29	All 4 cyl. & 6 cyl. except Model 6-65	A311	B313	B311
2		1920-29	All 8 cyl. & Model 6-65	A313	B315	
1	Erskine	1927-29	All	A311	B313	B311
1	Essex	1921-29	All	A311	B313	B311
3	Falcon-Knight	1927-29	All	A315		
1	Flint	1923-27	Models 10, B60 & Junior	A311	B313	B311
2		1923-27	Models 55, B80	A313	B315	
1	Ford	1920-27	All Models T	A311	B313	B311
13	Ford	1928-29	All Models A	B313NH		
13	Ford	1928-29	All Truck Models A.A.	B313NH		
5	Franklin	1918-21	Series 9	A67		
3		1922-24	Series 10A, B, C.	A315		
4		1925-27	Series 11A, B.	A317		
4		1928-29	Airman, Airman Ltd.	A317		
1	Gardner	1920-26	All 4 cyl. & all 6 cyl.	A311	B313	B311
2		1927-29	8 cyl. Models 75, 80, 85	A313	B315	
4		1925-29	All other 8 cyl.	A317		
1	Graham-Paige	1928-29	Model 610	A311	B313	B311
2		1928-29	Model 614	A313	B315	
3		1928-29	Models 619, 629, 835	A315		
1	Gray	1922-26	All	A311	B313	B311
3	Haynes	1921-25	All	A315		
2	H.C.S.	1920-25	All	A313	B315	
2	Hudson	1920-29	All	A313	B315	
2	Hupmobile	1922-29	All 4 & 6 cyl.	A313	B315	
4		1925-29	All 8 cyl.	A317		
2	Jewett	1922-27	All	A313	B315	
2	Jordan	1920-27	All 6 cyl. except Model R	A313	B315	
4		1926-27	Great Line 8	A317		
1		1927-29	6 cyl. Models R, RE	A311	B313	B311
2		1927-29	All Line 8 & Air Line 8	A313	B315	
2	Kissel Car	1920-28	All	A313	B315	
3		1929	Models 73, 95, 126	A315		
6	Lafayette	1920-24	All	A319	Special	
2	La Salle	1927-29	All	A313	B315	
2	Lexington	1920-26	All	A313	B315	
6	Lincoln	1920-29	All	A319	Special	
2	Locomobile	1925-26	Junior 8	A313	B315	
3		1927	Junior 8	A315		
3		1927-29	8-70, 8-80	A315		
6		1926-29	Mod 1 90	A319	Special	
4	Marmon	1920-29	6 cyl. Models 34, 75	A317		
2		1927-29	8 cyl. Models 68, 78	A313	B315	
2	Maxwell	1920-25	All	A313	B315	
2	Moon	1920-29	Models 18, 58, 72	A313	B315	
1		1920-27	Models 40, 60	A311	B313	B311
3		1928-29	8 cyl.	A315		
1	Nash	1920-29	All 4 cyl. & Special 6 and Light 6.	A311	B313	B311
2		1920-29	Advanced 6 & Standard 6	A313	B315	
2	Oakland	1920-29	All	A313	B315	
1	Oldsmobile	1920-29	All except Models 43, 45, 47	A311	B313	B311
2		1922-21	Models 13, 15, 17	A313	B315	
1	Overland	1920-26	All 4 cyl. & 1925 6 cyl.	A311	B313	B311
2		1926-27	6 cyl.	A313	B315	
2	Packard	1921-28	All 6 cyl. & some 8 cyl. Series 136 & 143	A313	B315	
1		1921-28	All Straight 8 except some Series 136, 143	A317		
3		1929	Models 626, 633	A315		
4		1929	Models 610, 615	A317		
2	Paige	1920-22	All	A313	B315	
4		1923-25	All	A317		
2		1926-27	All 6 cyl	A313	B315	
3		1927	8 cyl.	A315		
3	Peerless	1920-22	All	A315		
2		1923-26	6 cyl.	A313	B315	
6		1923-27	6 cyl. Model 69	A319	Special	
2		1926	Some Model 69	A313	B315	
1		1927-29	Models 6-60, 6-80, 6-81	A311	B313	B311
2		1927-29	Models 6-72, 6-90, 6-91	A313	B315	
1	Pierce-Arrow	1921-29	Models 32, 33, 34, 36	A317		
2		1925-29	Models 80, 81	A313	B315	
1	Plymouth	1929	All	A311	B313	B311
1	Pontiac	1926-29	All	A311	B313	B311
2	Reo	1920-29	All except Wolverine	A313	B315	
2	Rickenbacker	1922-27	All 6 cyl. & 8-80	A313	B315	
4		1925-27	All other 8 cyl.	A317		
1	Roamer	1922-29	All 6 cyl.	A311	B313	B311
2		1926-29	All 8 cyl.	A313	B315	B313E
2	Rollin	1924-25	All	A313	B315	B313E
11	Rolls-Royce	1920-23	All	A611-B	Special	
		1923-29	American	A317		
4		1923-29	English	A611-B	Special	
11						
2	Roosevelt	1929	All models	A313	B315	
1	Star	1922-27	All 4 cyl. & 6 cyl.	A311	B313	B311
11	Stearns-Knight	1922-26	All	A611-B	Special	
11		1927-28	Some 6-85 & 8-85 Model M, N, S & D	A611-B	Special	
3		1927-28	All other 6-85, & 8-85	A315		
3		1928-29	Model 8-90	A315		
8			Model 6-80	A611	Special	
10	Stutz	1921-24	All 4 cyl			
3		1924-25	6 cyl.	A315		
4		1925-29	Safety 8	A317		
1	Studebaker	1920-29	Lt. 6, Stnd. 6 & Dictator	A311	B313	B311
2		1920-29	Special 6, Big 6, Commander	A313	B315	
3		1928-29	President 8 cyl.	A315		
1	Velie	1920-24	34-38-56-58	A311	B313	B311
2		1925-27	All except Standard 50	A313	B315	
1		1927	Standard 50	A311	B313	B311
2		1927	Special 60	A313	B315	
2		1928-29	55-68-78-88-96	A313	B315	
1	Whippet	1927-29	4 cyl.	A311	B313	B311
2		1927-29	6 cyl.	A313	B315	
6	Wills St. Clair	1920-25	All	A319	Special	
3		1926-27	All	A315		
1	Willys-Knight	1920-27	All except 70	A317		
3		1926-27	Model 70	A315		
4		1928-29	Great 6	A317		
3		1928-29	All other models	A315		
1	Wolverine	1927-29	All	A311	B313	B311

Commercial Specification Chart

TRUCKS & TAXICABS

Revised to March 15, 1929

GROUP	MAKE	YEAR	MODEL	BATTERY TYPES (Choice) 1st	2nd	3rd
2	Brockway	1922-29	All	A313	B315	
2	Checker Cab	1923-25	All	A313	B315	
3	Checker Cab	1926-27	All	A315		
4	Checker Cab	1928-29	All	A317		
1	Chevrolet	1922-28	All	A311	B313	B311
13	Chevrolet 6	1929	All	B313NH		
1	Clydesdale	1925-27	All	A311	B313	B311
1	Fargo	1929	All	A311	B313	B311
1	Federal	1925-26	LTG	A311	B313	B311
2	Federal	1927	FW	A313	B315	
3	Federal	1927	2E6 - FK	A315		
4	Federal	1927	Large	A317		
1	Federal	1928-29	F6 - W4	A311	B313	B311
4	Federal	1928-29	5½ Ton	A317		
3	Federal	1928-29	All others	A315		
1	Ford Trucks	1919-27	T	A311	B313	B311
13	Ford Trucks	1928-29	A	B313NH		
2	Garford	1922-23	All	A313	B315	
3	Garford	1925	1 - 4 Ton	A315		
3	G. M. C.	1922-26	All	A315		
1	G. M. C.	1927	T20	A311	B313	B311
2	G. M. C.	1927	T4 - T50	A313	B315	
3	G. M. C.	1927	All others	A315		
1	G. M. C.	1928-29	T11 - T19 - T20 - T21	A311	B313	B311
2	G. M. C.	1928-29	T40 - T50	A313	B315	
3	G. M. C.	1928-29	K	A315		
5	Graham Bros.	1925-27	All	A67		
1	International	1928-29	Sp. Del.	A311	B313	B311
2	International	1928-29	S - SF	A313	B315	
3	International	1928-29	S L	A315		
2	Luxor Cab	1925-29	All	A313	B315	
2	Republic	1925-27	All	A313	B315	
2	Yellow Cab	1925-26	All	A313	B315	
4	Yellow Cab	1926-27	All	A317		
4	Yellow Cab	1928-29	All	A317		

G. J. Seedman Co., Inc.

765 ATLANTIC AVE., BROOKLYN, N.Y. · · · STERLING 8100

SEEDMAN CERTIFIED STORAGE BATTERIES
(Prices Subject to Change Without Notice)

Type	No. of Plates	Size of Case	Consumers' List Price
B311	11	11	$13.70
B313	13	11	15.00
B313 ES	13	13	16.00
B315	15	13	18.00
A311	11	11	15.00
A313	13	13	17.70
A315	15	15	19.50
A317	17	17	24.00
A319	19	19	29.00
A67	7	12 Volt	20.50
A319 Sp.	19	Cadillac - Lincoln	31.00
A319 P.	Packard Twin 6	12 Volt	45.00

Seedman Radio "A" Batteries		Consumers' List Price
R60	Capacity 60 Amperes	$11.00
R105	Capacity 105 Amperes	13.00

Guarantee: Type A — 3 years in accordance with printed adjustment policy.
Types B & R — 2 years in accordance with printed adjustment policy.

Distinct and Exclusive Advantages Enjoyed By Seedman Certified Battery Distributors

1. **A longer guarantee period than offered by any competitor.**
   3-year Guarantee on Type "A" Batteries.
   2-year Guarantee on Type "B" Batteries.

   ADVANTAGE TO DEALER — Makes sales easier, quicker — and more of them.

2. **Privilege of making your own adjustments to your customers.**

   ADVANTAGE TO DEALER — Enables you to build up business on good will. Saves time. (What does your customer use while you are waiting for adjustment from battery company?)

3. **A larger margin of profit on sales and a more liberal adjustment policy. Our discount enables you to resell to the trade.**

   ADVANTAGE TO DEALER — These extra profits make it worth while for you to solicit new business and build up your volume.

4. **An extra-quality, oversize, heavy-duty battery which makes possible an unusually long guarantee period.**

   ADVANTAGE TO DEALER — Satisfied customers and many new ones through recommendation.

5. **Special delivery service to your door.**

6. **Effective sales helps, such as large colored signs, banners, posters, caps, etc., supplied to franchise distributors.**

7. **Seedman Certified Batteries are manufactured in one of the largest plants in this country—turning out over 1,000,000 batteries yearly. This factory has specialized in high quality batteries for sixteen years.**

8. **The good name of the House of Seedman stands squarely behind your battery. Seedman assumes full responsibility for the guarantee and quality of battery. It is your assurance of good faith and fair dealing.**

"SEEDMAN CERTIFIED BATTERIES

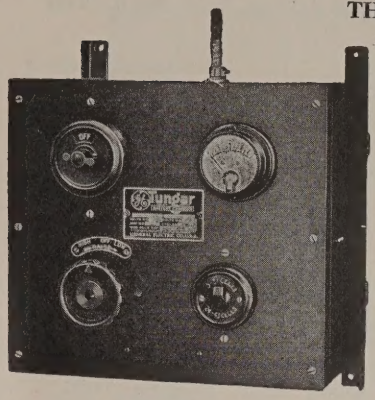
***BUILD UP* YOUR BUSINESS"**

ABOVE LIST PRICES ARE SUBJECT TO LIBERAL DISCOUNTS TO FRANCHISE DISTRIBUTORS

PHONE OR WRITE FOR COMPLETE DETAILS OF FRANCHISE PLAN

GENERAL ELECTRIC BATTERY CHARGERS

THE NEW FIFTEEN-BATTERY TUNGAR



EASY TO INSTALL — hook it up in an unused corner. It soon pays for itself.

SIMPLE TO OPERATE — charges overnight without attention.

LOW POWER BILLS — insured by high efficiency even at part loads.

GOOD PROFITS — insured by low cost of charging and low upkeep.

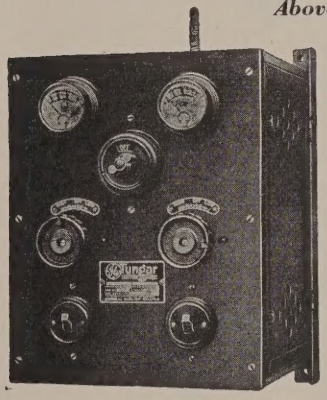
The Fifteen-Battery Tungar has a capacity of 15 3-cell auto or radio batteries or their equivalent at 6 amperes or less. Also will charge radio "B" storage batteries.

This Tungar cannot discharge batteries. Charging automatically stopped and resumed in case of line failure.

Careful design and sturdy construction insure the user years of dependable service.

Cat. No.	A-C. Volts	Cycles	Net Wt. (lbs.)	LIST	NET TO TRADE
9 x 641	115	50/60	44	$100.00	$ 75.00
9 x 642	115	25/40	60	116.00	87.00
9 x 645	230	50/60	66	120.00	90.00
9 x 646	230	25/40	80	140.00	105.00

Above prices include one Cat. No. 189049 Tungar Bulb.



THE NEW THIRTY-BATTERY TUNGAR
A REAL PROFIT MAKER

This Double Duty Tungar provides one day charging service at the lowest possible cost. It will charge 15 3-cell auto or radio batteries in an average of 20 hours at a rate starting at 12 amperes which tapers automatically to a low safe finishing rate. It will charge 30 batteries at a 6-ampere rate and combinations may also be obtained. It will charge radio "B" storage batteries in 48-volt sections.

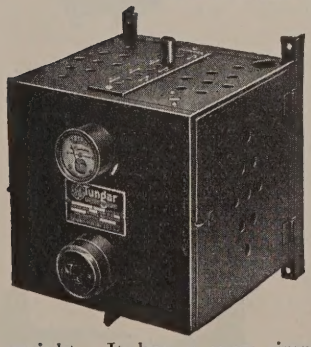
The Thirty-Battery Tungar is practically two Fifteen-Battery Tungars combined, having two charging circuits. Larger Stations can use several of these units.

It is simple to operate—efficient—safe—dependable. The features of the Fifteen Battery Tungar also apply to this outfit.

Cat. No.	A-C. Volts	Cycles	Net Wt. (lbs.)	LIST	NET TO TRADE
9 x 647	115	50/60	98	$180.00	$135.00
9 x 648	115	25/40	105	200.00	150.00
9 x 649	230	50/60	98	180.00	135.00
9 x 650	230	25/40	105	200.00	150.00

Above prices include two Cat. No. 189049 Tungar Bulbs.

SIX-BATTERY TUNGAR

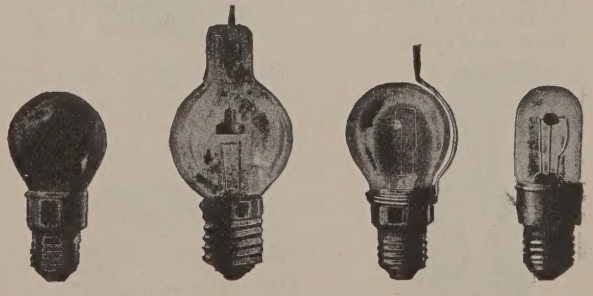


Now the small shop need no longer pass up the steady profits that battery charging brings in. The new six-battery Tungar, made and guaranteed by General Electric, is profitable—on one battery or six.

It operates from any current outlet and needs no special wiring. It takes up little space and is light in weight. It has a new simplified regulating control and other important features which you should know about. Just send the coupon for complete information about this and other Tungars.

Net Trade Price **$45.00**

Tungar Bulbs

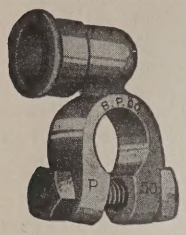


New 2 Amp.	5 and 6 Amp.	Old Style 2 Amp.	Trickle Charger
$3.00	$6.00	$3.00	$3.00

T-N BATTERY TERMINALS AND PARTS

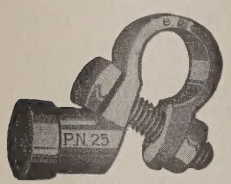
Prices on Terminals Include Electro Lead Plating and Clamp Bolt and Nut

ANGLE CLAMP TERMINAL
Brass—Lead Plated



Pos. Right—Neg. Right
No. 40....Neg.....$0.24
No. 50....Pos..... .24
Tapered both ways
No. 50X Pos. R. or L. .26
Pos. Left—Neg. Left
No. 41....Neg.....$0.24
No. 51....Pos..... .24
Tapered both ways
No. 41X Neg. R. or L. .26

REVERSIBLE TYPE TERMINAL
Brass—Lead Plated

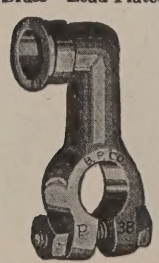


Fits Pos. or Neg.
Tapered to center
No. 25.....$0.24

SPLIT TOP TERMINAL
Dodge 1915-1925

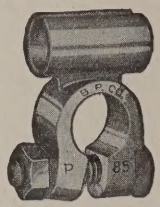
For No. 4 Wire
No. 31....P-N.....$0.24

CADILLAC TYPE TERMINAL
Brass—Lead Plated



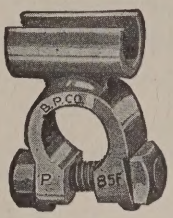
No. 38....Pos.....$0.65
No. 39....Neg..... .65

SPLIT TOP TERMINAL
Brass—Lead Plated



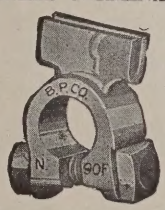
No. 85P...Pos.....$0.24
No. 90N...Neg..... .24

SPLIT TOP TERMINAL
Brass—Lead Plated



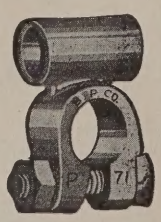
Wide opening
No. 85F...Pos.....$0.24

STRAP TERMINAL



No. 90F...Neg.....$0.24
No. 90P...Pos..... .24

STRAIGHT TUBE TERMINAL
Brass—Lead Plated

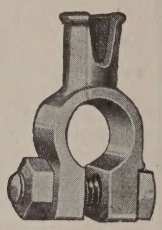


No. 71P...Pos.....$0.24
No. 71N...Neg..... .24

TERMINAL BOLT

No. 15 5-16x1¼". Price with nut.....$0.04
No. 21 5-16x1½". Price with nut.....$0.05
No. 15N Nut only. Price per C.....$1.50

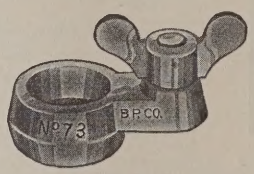
STRAIGHT NECK TERMINAL
Brass—Lead Plated



No. 29N...Neg.....$0.24
No. 35P...Pos..... .24

This is an ideal terminal for repair work in the shop. Straight neck leads away from battery post in any direction. Will accommodate round cable up to size single "0." Neck can be clinched to cable with ordinary pliers. Adds one inch to cable length over ordinary terminal.

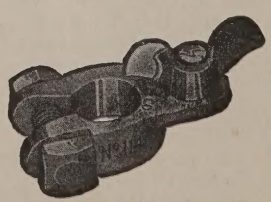
LEAD RADIO TERMINAL
Offset with Wing Nut



Fits Pos. or Neg.
Heavy wieght

No. 73.....Each $0.26
No. 30 Wing Nut only..... .05

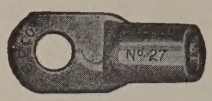
RADIO CLAMP TERMINAL
Brass—Lead Plated



Fits Pos. or Neg.
Complete as shown

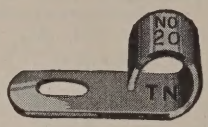
No. 114...P-N.....$0.35

SEAMLESS COPPER CABLE LUGS



No. 12..⅜" Hole. 90 amp.....$0.05
No. 12B..¼" Hole 70 amp..... .05
No. 27..7-16" Hole 150 amp..... .10

ROLL TYPE COPPER LUGS



No. 20..7-16" Hole. 90 amp.....$0.05

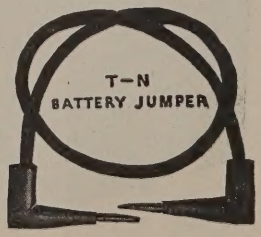
HOLD-DOWNS

No. 153 For Ford Model T. Price complete.....$0.10

No. 252 For Buick and Chev.
Price.....$0.10

HOLD-DOWN BOLT AND HEXAGON NUT

⅜"x1"
No. 53B.....$0.04

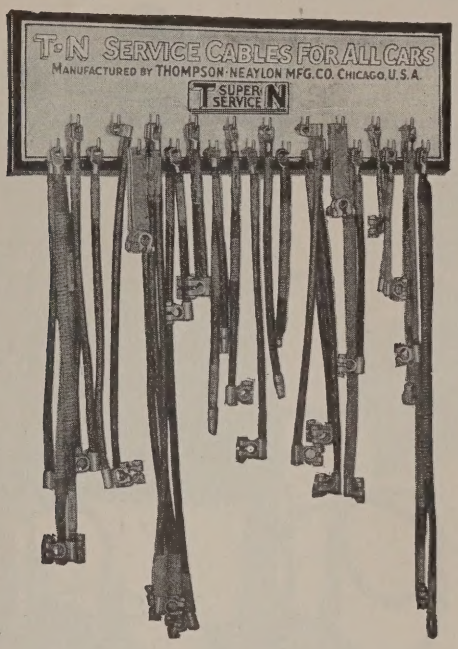


No. 802..15' Price $0.20

STANDARD PACKING TERMINALS 12 TO CARTON

TRADE DISCOUNTS ON APPLICATION

BATTERY CABLE ASSORTMENTS

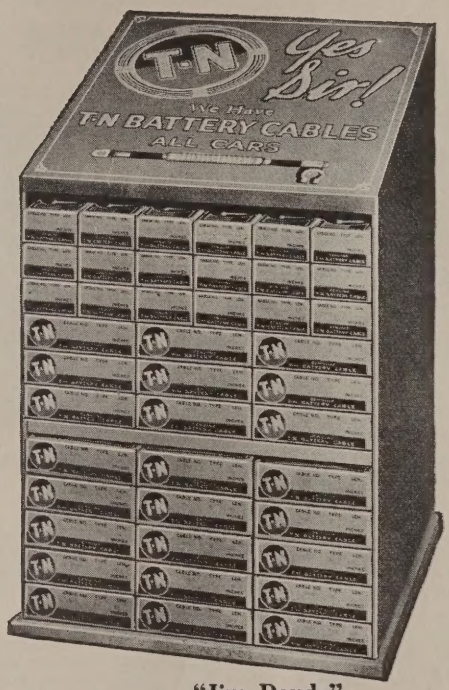


"Master Salesman"
No. 710

This Assortment contains the same number of T-N Compression Assembly Cables as our Jim Dandy. The fixture is made for hanging on the wall, and is a very convenient type for use in stores with limited counter space.

Instant, intelligent service always ready. Stock is tidy, and inventory is taken on sight.

Wall fixture is lithographed in four colors, and is very attractive.



"Jim Dandy"
No. 515

A fixture that will help to dress up any store. A metal counter cabinet packed full of T-N Cables, and lithographed in three good colors. Each cable in this Assortment is packed in an individual carton which is printed in colors and design to harmonize with the metal cabinet. Full information about each cable is shown on the carton.

Choose Your Own Assortment

With this fixture a dealer may choose his own Assortment of cables if he so desires, as long as the cables amount to $20.00 or more at dealers' cost.

Contents of Master Salesman and Jim Dandy Assortments:

4 P46, Ford "T," Star, Reo SW.
1 N49, Ford "T."
4 N65, Chevrolet, Pontiac, GMC.
2 N95, Buick, Chev., Ford "T," IHC., Hudson, Nash, Overland, Willys-Knight.
2 P102, Buick 1916 to 1929, Oldsmobile.
2 P120, Chrysler, De Soto, Graham-Paige, Packard Six, Plymouth, Erskine.
1 P130, Essex, Pontiac.
1 P170, Olds., Oakland, Chandler.
1 N175, Olds., Reo, Chevrolet, Oakland.
1 N185, Essex, Reo, Whippet, Hudson.
1 P194, Studebaker, Erskine.
1 N195, Studebaker, Overland, Pontiac, Chrysler.
1 P224, Oakland, Chandler.
1 N225, Oakland, Willys-Knight, Falcon-Knight.

No. 710 ***Net Trade Price*** **$16.24**

1 P279, Dodge 26 to 28.
1 P281, Nash, Star, Durant. Olds., Paige, Jewett.
1 P284, Nash and others.
2 P296, Chev., Pontiac, GMC., Overland, Willys-Knight, Whippet.
1 N343, Ford "A."
2 P344, Ford "A."
1 N347, Dodge, Hup., Chandler, Erskine, Chrysler.
1 N127, Chandler, Chrysler, Dodge, Studebaker, Overland, Pontiac.
1 N369, Utility Ground Cables, negative 13". (See page 6.)
3 P369, Utility Ground Cables, positive for use on almost any car.
1 P398, Willys-Knight, Oakland, Overland, Chev., GMC., Pontiac.
2 N202, Durant, Pontiac, Star, Ford "T," Olds., Oakland, Chev.

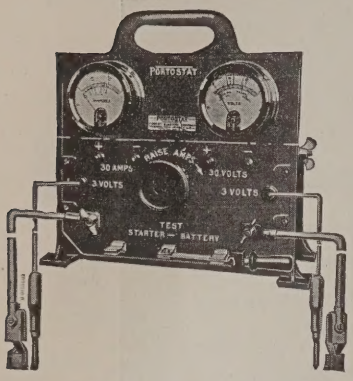
No. 515 ***Net Trade Price*** **$16.84**

This Assortment will sell out clean in any territory. The average cost of each cable to the dealer is very low—figure it out.

Contents 40 Cables. Shipping weight about 40 lbs.

Cables sell at retail for **$32.42**

UNITRON TESTING INSTRUMENTS



TWO METER PORTOSTAT

"Now where can that trouble be?" is the question on every automotive job. Is it a short? A fuse? An open? The generator? The starter? The battery? The Portostat tells accurately and easily, like an X-ray. It reveals the trouble to the battery man and his customer. The Portostat is accurate, portable, durable and impressive. Customers know that it is scientific equipment.

AMMETER: 0-30 scale; 0-300 scale; dial marked to show correct discharge rate for any battery.

VOLTMETER: 0-3 scale; 0-30 scale; calibrated to show exact battery condition.

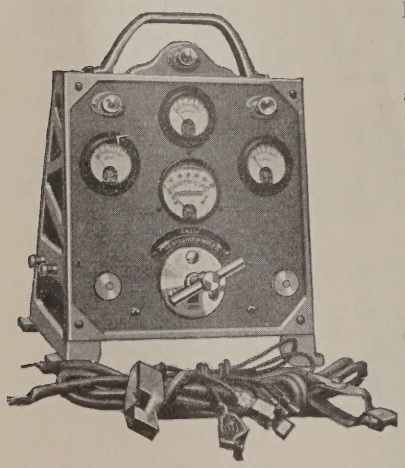
Equipment

Carrying handle. Swivel panel for reading at any angle. Carbon rheostat for discharge tests. Prods for contacts to battery terminals. Switches, binding posts, leads and clips for all tests; complete instructions.

Major Uses

Determining exact condition of battery. Checking charge rate and voltage of generator at various car speeds. Finding starting torque load and spinning load of starting motor. Locating trouble in starting circuit. Testing lighting circuit. Spotting shorts, faulty wiring, blown fuses, all generator troubles, all starter troubles, all battery troubles.

Net Trade Price **$42.50**



FOUR METER PORTOSTAT

The Portostat is to the battery and electrical man, what the X-Ray is to the doctor. Both are indispensable, scientific instruments. Car owners desire to be shown why their battery needs work in addition to recharging before it is dismantled.

The Portostat eliminates all doubt in the customer's mind and makes new battery and repair sales legitimate as the battery owner knows he is getting a square deal.

The Portostat eliminates customer arguments, reduces the number of rental batteries necessary, saves delays, current and time. It will test in addition to batteries, starting motors, generators, ammeters, cut-out relays and starting switches.

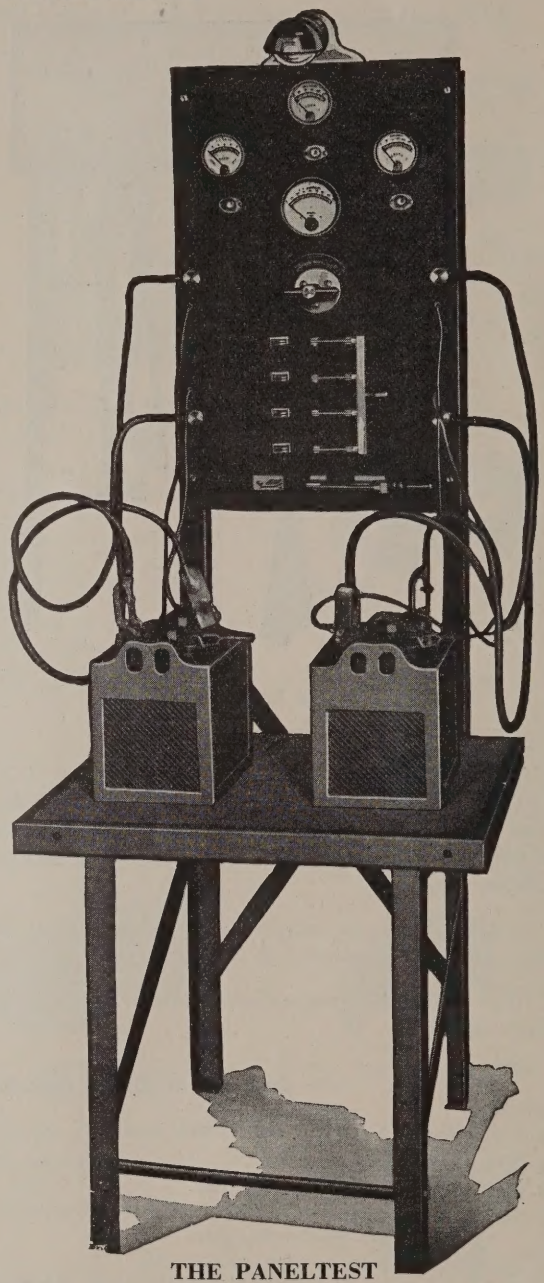
It is an accurate, durable, impressive portable instrument and can be used to test battery capacities or for cycling purposes to fully develop the battery plates.

Equipment Includes

Two 2¼" voltmeters with 0-3 scale and one with 0-3, 0-30 scales. The dials are marked with the words "Dead-Discharged, Half Charged and Charged" making it easier for battery owners to understand the readings, Each meter gives a reading of one individual cell.

The ammeter has 0-300 scale with dial markings showing proper discharge rate for all sizes of batteries. These meters together with three 2 volt bulbs, indicate the condition of each cell in the battery and help to convince the customer.

Net Trade Price **$65.00**



THE PANELTEST

The Paneltest shows a comparison of the voltage of each cell of the customer's battery and a new one, so that the battery owner can at a glance, see the exact condition of his battery.

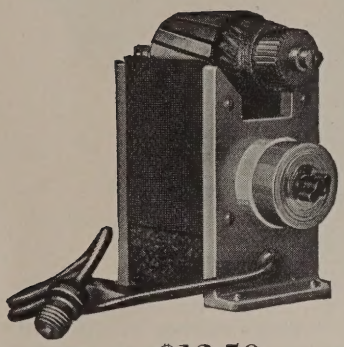
Owners want to know why more than a recharge is necessary and if shown they buy quickly and from you. Testing batteries when received is the modern way of servicing. There is no more reason to delay determining what is wrong with a battery than with a tire. Show them at once and secure the sale.

Equipment

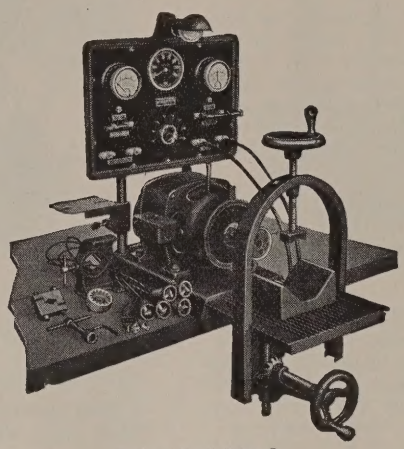
Ebony Panel 28"x18", 110 volt lamp with cord.
Three—0-2.5 scale, 3" Voltmeters.
One each—0-400 scale, 4" Ammeter, Control Handle,
Four Pole Double Throw Switch and Knife Switch.
Three bulb sockets.
Four each—Heavy Discharge and Voltmeter Leads.
Rubber covered 20"x25" battery table, and heavy Steel Angle Frame.
All Fittings nickel-plated.
Height (over all) 5'9" **Weight 142 lbs.**
Net Trade Price **$150.00**

ALLEN TESTING EQUIPMENT

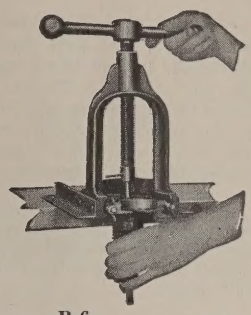
ALL COMBINED IN ONE EFFICIENT UNIT



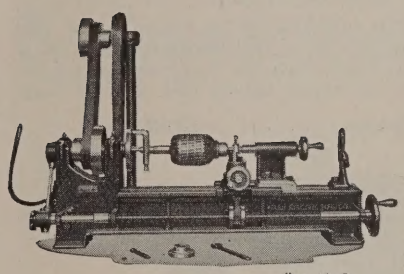
A-31 **$12.50**



E-111 Test Stand
$250.

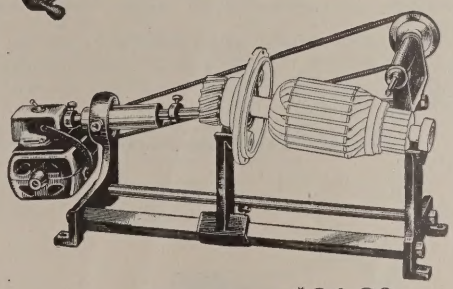


P-6 Puller Press **$22.50**



A-67 Lathe **$110.**

Table Tops, Legs and Tool Drawer
$50.00



No. 15 Undercutter **$24.80**

Total Price Separately, Net Trade **$469.80**

Net Trade Price, All Mounted on Bench **$450.00**

E-110 is an outstanding assembly of necessary equipment, bringing production efficiency to the repair of the various units of the automotive electrical system.

Complete generator, starter and ignition testing and repairing is handled in a quick and direct manner. The right piece of equipment is always at hand ready to perform each succeeding operation; saving time and bother in taking the work from one part of the shop to another.

Every unit is universal in use, so that the shop with an E-110 is really equipped to give customers complete service.

For a more complete description of each unit see following pages.

SEQUENCE OF OPERATION

1. Test generator in E-111 Test Stand.
2. Generator is dissembled on the bench using P-6 Puller Press to pull bearings, gears, etc.
3. Armature is tested on A-31 Growler for shorts or open circuits. Field winding, brush holders, etc., are tested with the test prods and light or by using the ammeter of Test Panel.
4. Armature is trued up and the commutator turned down on the A-67 Lathe, a real Lathe suitable for all shop purposes.
5. Mica is undercut on the No. 15 Undercutter which is adapted equally well for armatures with and without centers.
6. Generator is re-assembled, brushes set for proper charging rate, and is then given a thorough running test on the E-111 Universal Test Stand with the 1 H. P. variable speed motor. The generator can be tested exactly as under actual driving conditions.

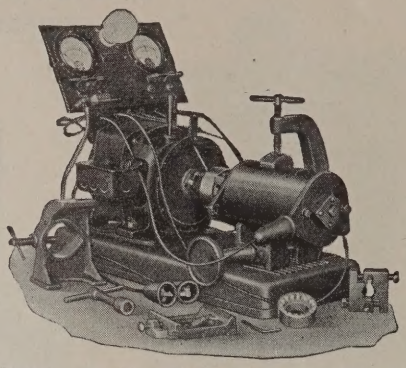
Complete instructions furnished for testing starting motor, coils, cut-outs, and all ignition units.

E-110, Allen Electric Shop, 110-220 Volt, 60 Cycle, A. C., *Net Trade Price*..... $450.00

PRICES F. O. B. KALAMAZOO

ALLEN UNIVERSAL TEST STANDS

Test Stand No. E-119



ELECTRICAL REPAIRS are very profitable, but heretofore Universal Test Stands have been priced so high that only the electrical specialist was justified in buying one. ALLEN Model E-119 is designed and priced for the average Garage, Service Station or Battery Shop so they can profitably handle their own electrical service, and avoid costly and unnecessary loss of time in taking the work out.

THE E-119 is complete. It will handle all types of generators except a few of the older model motor-generators of unusual size. Old style Dodge and Ford Model A generators are mounted on small adjustable "V" block.

MOTOR is rated at ½ H. P. and develops .9 H. P., sufficient to drive Dodge North East 12 Volt motor-generator over 3000 r. p. m. with generator brushes set to peak at 7 amps. The speed range is 0-3600 r. p. m. in either direction. Speed and direction of rotation are governed by a single control lever.

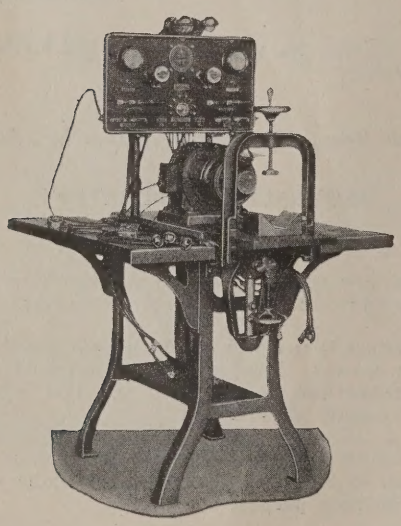
SAME STRAIGHT LINE DRIVE as on the most expensive ALLEN Stands assures quick chucking, quiet action, long life, and no lost power as with friction and self-aligning drives.

ROTARY SPARK GAP AND BREAKER POINTS are combined in one unit, and are the same as on the higher priced stands. Analyzes position of the spark by rotation, also checks automatic spark advance. Invaluable for testing magnetos.

BAKELITE PANEL BOARD is equipped with two high grade 3¾" Jewell Meters.

SWITCHES AND CONNECTIONS are so simple that the operator will not have the slightest difficulty in testing. Complete instructions are furnished so that the average mechanic can easily handle this class of work.

E-119 Test Stand, 110-220 Volt, 60 Cycle, A. C., *Net Trade Price*.....$142.50

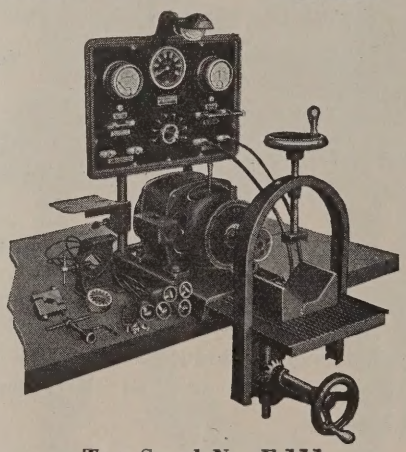


Test Stand No. E-76

From the point of speedy, efficient operation, there is no better equipment offered than this **ALLEN** outfit. It is complete in every way. It will test every part of the automotive electrical system and it embodies a number of new and advanced features not found elsewhere. Note the many tests you can make—and how quickly and easily all the tests are made.

Only in the ALLEN design will you find such exceptionally fine equipment so reasonably priced. You will not regret placing one of these outfits in your shop.

Net Trade Price **$375.00**



Test Stand No. E-111

The **E-111 Allen Test Stand** creates a new standard for efficiency and completeness in electrical testing equipment of moderate price.

Every operation is designed for speed and accuracy. Generators are raised and lowered by geared table operated with hand wheel. Clamping device holds generator firmly giving a solid, noiseless mounting so that loose bearings can be readily detected.

Improvements can be noted in the design from the standpoint of appearance. Panel is encased in metal frame, the panel board is finished in maroon lacquer, easy to keep clean, and the meter frames, switches, etc., are nickeled. A handsome addition to any service station.

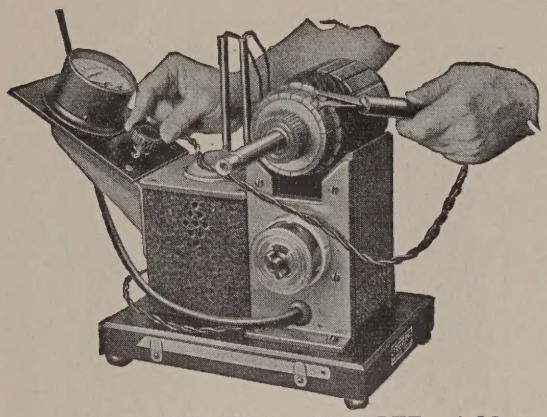
Motor is rated at 1 H. P. developing 1½ H. P., which is powerful enough to drive all single and double unit generators at full speed and full load.

All Models of passenger car and truck generators can be mounted in the Allen vise. "V" block holds both types of Delco-Buick generators. Units with flat bases are mounted directly upon elevating table.

Torque Test is standard equipment, including torque arm and scale for all starter tests. Checks cranking power of a starting motor in pound feet.

E-111, Universal Test Stand, 110-220 Volt, 60 Cycle, A. C., *Net Trade Price*.....$250.00

ALLEN TESTING EQUIPMENT



ALLEN UNIVERSAL GROWLER, A-32

This Allen Universal Growler is the most complete piece of equipment on the market for armature testing. Used principally by larger Service Stations and Armature Winding Shops as complete instrument capable of testing any size of automotive armature. Will locate all troubles in winding, connections, coil spacing, insulation, etc.

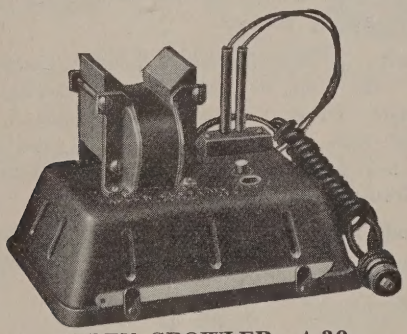
A-32, Single Coil Winding, Net Trade Price.....$39.00
A-32, Double Coil Winding, two position switch, Net Trade Price.....$42.50

ALLEN GROWLER, A-31

This is the growler unit only from the A-32 Growler —mounted with switch and extension cord.

A-31, Single Coil Winding, Net Trade Price.....$12.50
A-31, Double Coil Winding, Double Switch, Net Trade Price.....$16.00

(Shipping weight 11 pounds)



ALLEN GROWLER, A-30

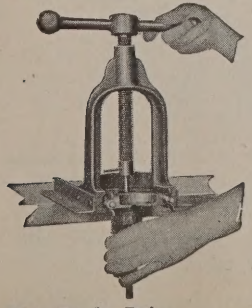
A-30, Complete, as shown with test points and extension cord with two-piece plug ready to screw into light socket.

Net Trade Price.....$15.00

ALLEN GROWLER, A-33

This is the Growler Unit only from the A-30 Growler. Allen Growler **A-33** with extension cord and two-piece plug ready to screw into light socket.

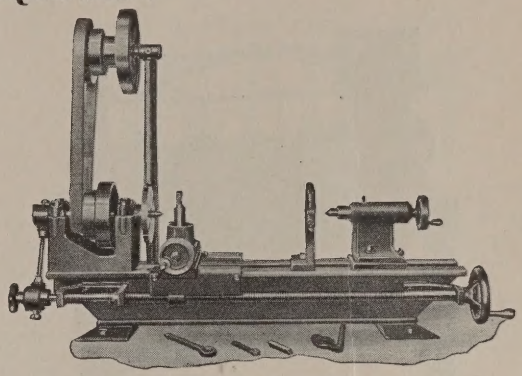
Net Trade Price.....$8.50



ALLEN PULLER PRESS, P-6

Here's the Junior Allen **Puller** Press. For many shops this smaller outfit answers all requirements with a mighty small investment. It will handle most removing and replacing jobs—even pulls inner races, an exclusive Allen feature of design.

Net Trade Price $22.50



ALLEN LATHE

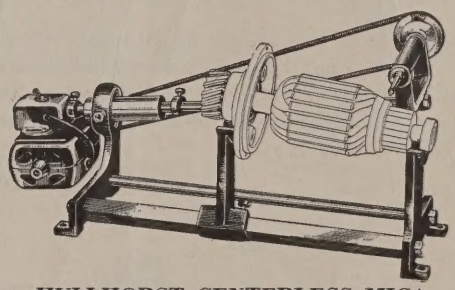
The new Allen Lathe is designed to meet the needs of electrical service stations and general garages. It is a high quality tool that does the work of more expensive lathes, and is reasonably priced.

Capacity is 24″ between centers; swings 10″ diameter over bed and 6″ over carriage.

Type of Work — Allen Lathe handles all classes of work except screw cutting. A useful tool for the shop, garage, home, or industrial school for milling, turning, boring and drilling both straight and taper work. Useful to turn commutators, straighten shafts, face gears, true up magneto collector rings, turn pistons, reface valves, etc.

A-67 Lathe including power feed, countershaft and belting, face plate, centers, steady rest, lathe dog, tool bit and 2 wrenches $110.00

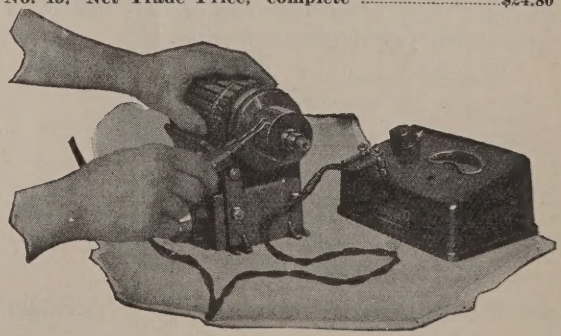
A-67M Lathe same as above but also including power motor, motor support, and motor pulley and belting $130.00



HULLHORST CENTERLESS MICA UNDERCUTTER, No. 15

Equipped with 110 Volt G. E. motor (D. C. or 25 to 70 cycle A. C.) which operates on light circuit, switch, six-foot cord and plug, nine ¼″ cutters, assorted thicknesses.

No. 15, Net Trade Price, complete $24.80

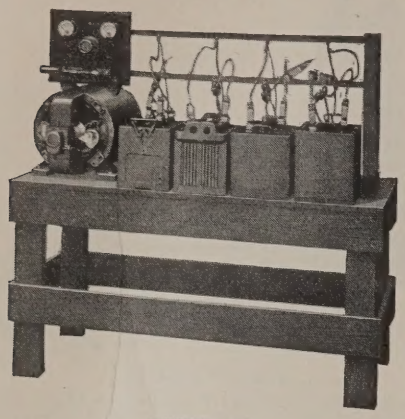


ALLEN ARMATURE TEST METER, A-63

The Allen Armature Test Meter A-63, used with either the Allen Growlers A-30, A-31, A-33 or E-34, will locate such troubles as shorts, opens, grounds, wrong number of turns, reversed coils or connections, etc. It contains a high grade 3″ Jewell Meter with zero adjustment. Meter is protected and is read through crescent type opening. Case is substantially made to stand wear and tear.

A-63, Armature Test Meter with Contact Leads, Net Trade Price $18.50

ALLEN CONSTANT POTENTIAL OUTFITS



TYPE O

Constant Potential Charging has heretofore been possible only in the larger battery shops, since the outfits were designed for handling large numbers of batteries and the smaller shops could not afford such expensive equipment. Now Allen has designed the new Type O for the smaller battery shops, car agencies and garages, enabling them to charge batteries in "One Day" and offer the advantages of safe individual charging. Here is complete, first-class equipment at a low price.

Capacity 10 to 16 batteries in 24 hours. Complete as shown, 80 amp. 1 or 3 phase including master control panel, with voltmeter and ammeter, bench, bus bars, rubber covered lead wires and heavy lead plated battery clips.

Net Trade Price **$210.00**

TYPE A

Allen Type A is just the equipment for the smaller battery station taking in from five to twenty batteries per day. Its simplicity, close voltage regulation, non-reversibility, and high efficiency make it a sure money maker, enabling you to render efficient eight hour or one day service at an operating cost per battery no greater than your largest competitor.

TYPE A

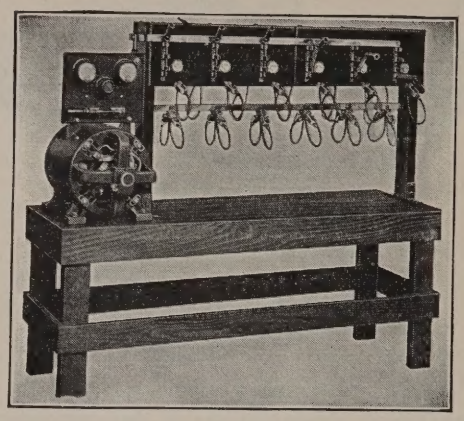
Complete in every detail.
Capacity — 22 batteries in 24 hours.
120 amp. 60 cycle, 1 or 3 phase, including Master Control Panel with Voltmeter and Ammeter, Bench, Bus Bars, rubber covered lead wires and heavy lead plated battery clips.

Net Trade Price **$295.00**

TYPE E

Capacity 35 batteries in 24 hours. 175 Amp., 25-30-40 Cycle, 2 or 3 Phase. Including Switches, Meters, Bus Bars, rubber covered lead wires and heavy lead-plated battery clips.

Net Trade Price **$475.00**



TYPE B

The system is complete in every way. Switchboard is mounted on the generator and all connections between generator and switchboard are made at factory. Bus bars are drilled and marked ready for connection to studs on switchboard.

Switchboard is slate finish with Jewel Bakelite case (non-corrosive) instruments.

Individual meter for each switch shows current being drawn by each battery on charge and furnishes an accurate test of the condition of the battery. Ideal outfit for battery stations.

Capacity 22 batteries in 24 hours. Complete as shown, 120 amp. 60 cycle, 1 or 3 phase, including Master Panel Voltmeter and Ammeter, panels equipped with 12 individual switches and meters, bench, bus bars, rubber covered lead wires and heavy lead-plated battery clips.

Net Trade Price **$415.00**

TYPE D

Capacity 30 batteries in 24 hours. 150 amp. 60 cycle, 1 or 3 phase, including Master Control Panel with Voltmeter and Ammeter, panels equipped with 18 individual switches and meters, bench, bus bars, rubber covered lead wires and heavy lead-plated battery clips.

Net Trade Price **$585.00**

TYPE C

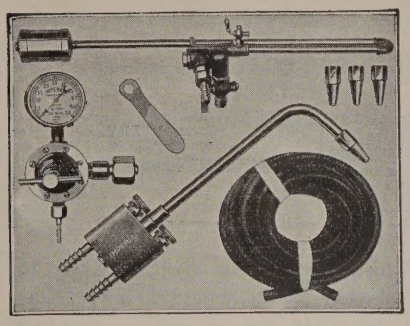
Capacity 30 batteries in 24 hours.

Same motor generator set as in Type D (illustrated above), 150 amp. 60 cycle, 1 or 3 phase, including Master Control Panel with Voltmeter, and Ammeter, Bus Bars, rubber covered lead wires, resistance units and heavy lead-plated battery clips.

Net Trade Price **$375.00**

BATTERY SERVICE STATION EQUIPMENT

NO. 28 LEAD BURNING OUTFIT



For use with city (Hydro-Carbon) gas and oxygen in high pressure tanks.
Safe and efficient for all lead burning work.
Each outfit includes Type L-3 Torch with 4 tips (A, B, C, D.) Adjustable Bench Block, Oxygen Regulator, Water Seal, Shut-off Cock, Wrench and all necessary hose and connections

No. 28—Complete, Net Trade Price.....$27.50

RELIABLE BATTERY FILLER

A practical and convenient means of dispensing distilled water and electrolyte for filling batteries.

Liquid automatically flows when nozzle is placed in position for filling.

Clean, quick and simple in operation.

Built strong and substantial, holds one gallon water bottle, convenient clip for holding nozzle and hydrometer when not in use.

Hydrometer not included in outfit.

Net Trade Price $2.00

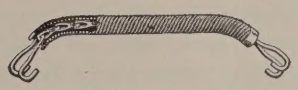
DISTILLED WATER

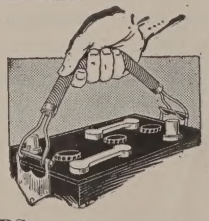
We supply pure distilled water for re-filling storage batteries.

Quart Bottle (including bottle) .....Each $ .10
5 Gallon (including bottle) .....Each 2.80

Above prices include deposit of 5 cents for quart bottle and $2.00 for 5 gallon bottle.

ACCO BATTERY CARRIER

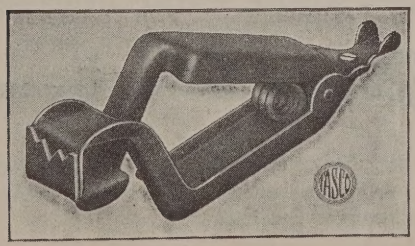




Heavy flexible chain with strong hooks, covered with woven cord jacket. Very convenient and serviceable.

16 in. long. .....Each, $0.30

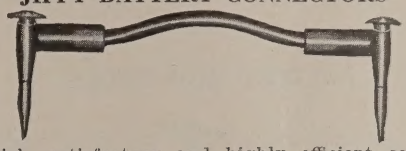
BATTERY CLIPS



The TASCO BIG BOY is a sturdily designed BATTERY CLIP constructed of heavy gauge material that insures strength and ample carrying capacity. It is intended for either series or constant potential charging and because of its rigidity and firm grip is popular as ground connectors for RADIO USE.

Net Trade Price .....$ .10

JIFFY BATTERY CONNECTORS



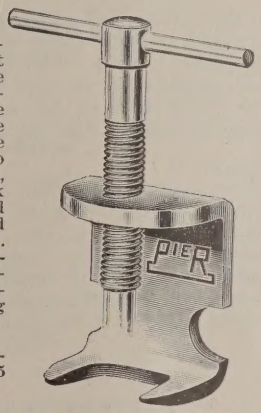
A quick, satisfactory and highly efficient connector for connecting batteries in series on the charging line. Simple to connect, and secure. These connectors stay put until removed, which is done by simply giving them a slight twist. No need to worry about them dropping out or falling over and shorting a battery on the line.

These connectors are made of specially machined, tempered, sharp pointed steel pins, which form an integral part of the lead-alloy heads, which are soldered to a piece of No. 14, heavily rubber covered, flexible copper wire.

No. 6 Pier Jiffy Battery Connectors, in boxes of 10 each.....$.10

Shipping Weight in 100 lots, 13 lbs.

BATTERY TERMINAL PULLER

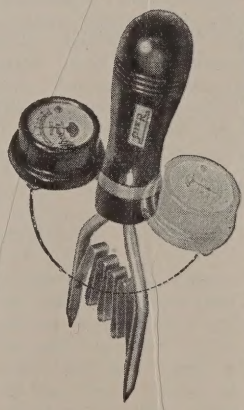


This new tool unquestionably fills one of the long felt needs for a tool to remove badly corroded battery terminals. It will remove the most stubborn terminal. The designs of the prongs and the fact that they taper down to 1-16" at the extreme tips, makes it possible to work this puller within crowded positions and it can be forced below the tightest terminal. Made of **pack-hardened machine steel,** which gives it unusual strength. It is compact, measures 6 inches long when screw is turned out.

No. 55 Battery Terminal Puller, Net Trade Price.....$1.75

IMPROVED PIER BATTERY CELL TESTER

One of the Outstanding Values in the Pier Line of Battery Service Equipment



This is one of the handiest High-Rate Discharge Testers ever offered for the purpose of quickly locating defective cells in storage batteries. When applied to a cell, the current passes through the resistor and the voltmeter instantly flashes the cell voltage and indicates the cell's condition. With this Tester the true condition of a battery may be quickly determined.

Special Feature

The Feature, which allows for shifting the voltmeter to either side—a Pier origination and an exclusive feature with the Pier Tester—allows quick access to difficult battery positions on cars, as well as easy reading from any angle.

Provides a Working Load Test

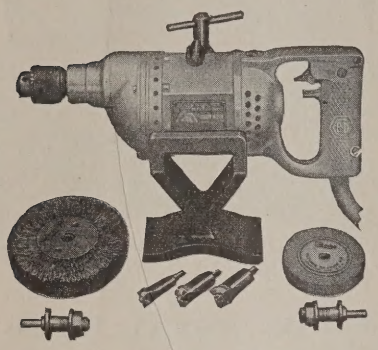
The Pier Cell Tester makes the only true battery test — a comparative high rate discharge, or working-load test on each cell. Simply place the two sharp steel prods on the terminals of each battery cell and the voltmeter flashes each cell's condition. No need to remove battery from the car.

Equipped with high grade voltmeter 2¼" scale, with voltage range of 3-0-3. Prods made of heavy round electro-plated stock, fixed to a stout, well finished handle. **Resistor** is made of a special alloy of 200 ohms resistance, and is **electrically welded between the prods.** Complete, easily-understood instructions are furnished with each instrument.

Net Trade Price $6.75

BATTERY SERVICE STATION EQUIPMENT

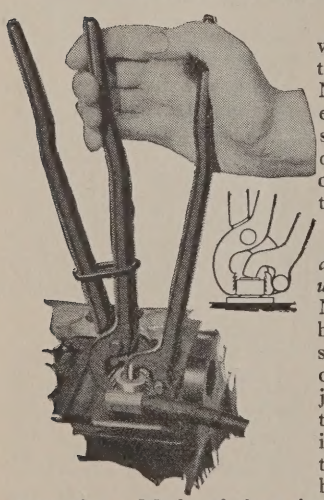
BATTERY SHOP TOOLS



These tools, driven by the powerful Black & Decker ¼" Heavy-Duty Drill, perform many operations in the Battery Shop. The special lead drills drill out cell connectors; the wire wheel brush, with the Electric Drill held in the stand, cleans parts, and the grinding wheel keeps all edge tools sharp.

Cat. No.		Net Trade Price
00302.	½" Battery Drill	$1.25
00303.	⅝" Battery Drill	1.50
00304.	¾" Battery Drill	1.75
00306.	3" Grinding Wheel	1.00
00311.	Stand for ¼" Heavy-Duty Drill	2.00
00501.	4" Wire Wheel Brush	2.50
00525.	Arbor for Brush and Grinding Wheel	1.00

BATTERY TERMINAL PULLER



Here's the new, quick way to remove post-type terminal connections! No matter how corroded, how "frozen," how stubbornly they resist ordinary methods they come off — zip! — with the Marquette.

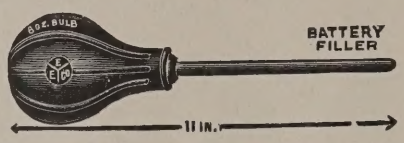
The only tool that does not have to go under the terminal. No chance to damage battery cover. You simply grip the terminal connection between the jaws then draw up the third lever and the job is done. You don't have to loosen or take out the bolts. No injury to the connection. Made of *drop forged steel.*

Weight, 2½ lbs.

Length, 13 inches.

Net Trade Price **$1.90**

HYDRO BATTERY FILLER



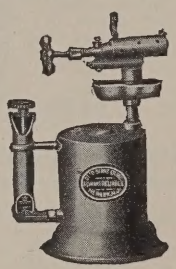
Especially adapted for adding distilled water to storage batteries. Very handy and convenient, prevents spilling water over top of battery, prevents over-filling and waste.

Best quality acid proof rubber bulb with hard rubber nozzle.

Capacity 8 liquid ounces. Length over all 11 inches.

Net Trade Price ..... **$ .65**

GASOLINE TORCH



No. 85 TORCH. Our lowest priced. Underflow burner with metal handle. Removable hook for soldering irons. Patented "NEVER LEAK" pump and bronze brackets. Heavy reinforced brass reservoir, highly polished and lacquered. Heavy concave brass bottom. 3½ pounds net.

Net Trade Price **$4.50**

EDELMAN SERVICE STATION HYDROMETER

A large, heavy duty Hydrometer, especially designed for use in battery shops. Tested thoroughly to give accurate readings.

Net Trade Price **$1.00**

There are many advantages in trading with the *largest* automotive equipment house in the East. Low prices due to large buying power — easy terms due to large volume of business — Installation and service problems eliminated because of efficient trained crew.

SPRAY PAINTING SECTION

The growth of this particular branch of the automotive field is due to present day demand of speed, efficiency and low cost.

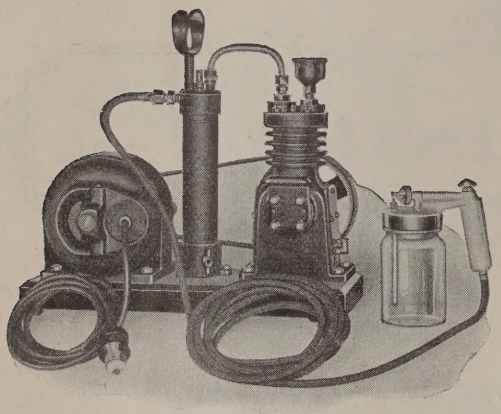
Spray painting has certainly met each one of the above demands. Painting by hand was always slow, costly and certainly not always efficient.

Quick acceptance by the motoring public of lacquer finish and the adaptability of lacquers to quick spray painting, has caused the rapid development of many new painting establishments.

The most important item of equipment needed for this work is the Spray Gun. The speed and efficiency of the work depend directly upon the Gun. It is this particular part of the equipment that has made spray painting possible and efficient.

On the following pages we show, together with the spray gun, the other items of equipment that we feel are leaders in their field, which we have selected because of their merit.

DeVilbiss
Spray-finishing System



Model No. NC-601 (Portable)

This Outfit Meets Finish Problems Of—

Manufacturers, their service stations, distributors, dealers, branch offices—merchants, shop keepers—automobile and vehicle dealers and repair shops — farm implement dealers—furniture shops and dealers—woodworking shops — building contractors — plumbers and steam fitters—transportation companies—building superintendents—institutions—school boards—theatres—warehouses—chain stores—florists and greenhouse operators —golf and country clubs — laundries — dairies, trucking companies and all operators of commercial vehicle fleets—lodges—estates—farms—homes, etc.

For finishing, touching-up, and refinishing vehicles, parts, small manufactured products, store fixtures, furniture and for all general industrial, commercial, and institutional use where the finishing operation is not continuous.

Net Trade Prices

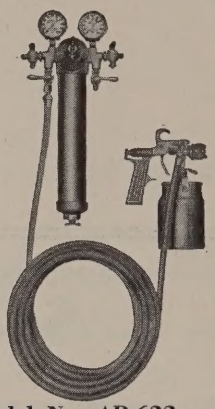
Price complete with ¼-H. P. Electric Motor for 110 volts, 60 cycle, alternating current $59.50

This outfit can be furnished on special order with motor for other currents, at the following prices:

A. C., Single Phase, 50 or 60 cycles, 110 volts	$59.50
A. C., Single Phase, 25 or 30 cycles, 110 volts	61.50
A. C., Single Phase, 50 or 60 cycles, 220 volts	62.00
A. C., Single Phase, 25 or 30 cycles, 220 volts	63.00
D. C., 110 volts	67.50
D. C., 220 volts	69.00
D. C., 32 volts	67.50

Type GF Spray Gun only	$ 5.25
15′ Air Hose only with fittings and clamp	2.00
Air Hose per foot	.10
Air Hose fitting and clamp only, per set	.50

For price of NC Compressing Outfit without Spray Gun and Hose deduct $5.00 from above list prices on complete outfit.



Model No. AP-622
Net Trade Prices

For the Occasional Refinishing of a Used Car

(1) Spraying Equipment Unit — Type AP-622

1 Spray Gun, Type AV. (When ordering specify material used.)	$28.00
1 Suction Feed Quart Capacity Cup Attachment, Type KR	4.00
1 Air Transformer, Type HL	28.00
1 25-ft. Length of ⅜-in. Air Hose and Connections	4.30
	$64.30

For a Maximum Production of Approximately 6 Cars a Week Completely Refinished from Bare Metal
Net Trade Prices

(1) Spraying Equipment Unit — Type AP-624

1 Spray Gun, Type AV. (When ordering specify material used.)	$28.00
2 Suction Feed Quart Capacity Cup Attachments, Type KR. (One for undercoats and one for lacquer.)	8.00
1 Extra Spray Head, AV-402, for undercoats	9.50
1 Air Transformer, Type HL	28.00
1 25-ft. Length of ⅜-in. Air Hose and Connections	4.30
	$77.80

DE VILBISS SPRAY GUN — *TYPE AV*

The principal unit of the De Vilbiss Spray-finishing System is the Type AV Spray Gun.

One new and unparalleled feature is the spray head with graduated adjustment controlling both character and width of the fan spray. The graduated adjustment makes possible a quick return to a previous setting for producing any desired spray. The air can also be cut off, producing a round spray. This adjustable spray head eliminates split sprays and "over-spray," and insures proper balance between amount of material used, nature of work and speed of operation.

Another outstanding feature is the positive self-centering on the nozzle parts, based on an absolutely correct mechanical principle, making it impossible for these parts ever to get out of alignment.

The important De Vilbiss Detachable Spray Head construction is retained, simplifying operation, cleaning and care. Also additional interchangeable spray heads can be carried with nozzles in a variety of sizes.

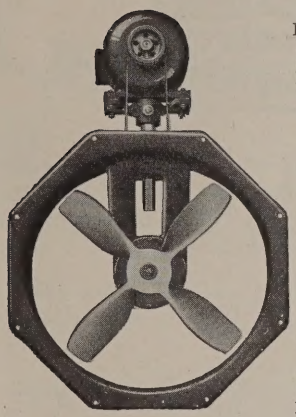
In addition, a spray head without the adjustable feature, interchangeable with the adjustable type, producing either a fan or round spray, can be furnished.

Type AV Gun construction is such that, with low air pressure ranging from 40 to 60 pounds and a minimum air consumption, the material is finely, softly and evenly atomized, and a smooth and uniform coating applied. This perfect atomization and uniformity of coating reduce sanding and rubbing labor to the minimum and often eliminate some of these operations altogether. The greatest practicable spraying speed can be attained without affecting in any way the high quality of the work.

Net Trade Price **$28.00**

DeVilbiss
Spray-finishing System

ELECTRIC EXHAUST FANS WITH MOTORS — *TYPES JF and JH*



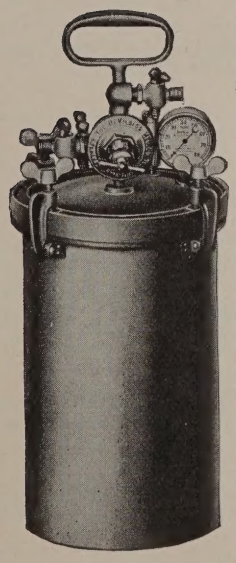
These Fans, used with DeVilbiss Exhausting Equipment, effectively do the required work with lowest power consumption. Only the necessary air to remove the vapor is drawn out of the room, resulting in a more even temperature and cleaner work.

The motors, for any kind of electric current, are totally enclosed and mounted OUTSIDE the booth and exhaust pipe with the Spray Booth equipment, and OUTSIDE the building and exhaust pipe with the Window and Wall Mounting Assembly. This type of construction meets Fire Underwriters' regulations by eliminating the necessity of drawing vapors past the motor, as is done when motor is connected direct to fan or located in exhaust outlet.

Type JF Fan has a ¼ H. P. motor and is generally used in the smaller shop; Type JH Fan—illustrated—has a 1 H. P. motor and offers much greater exhausting capacity. This latter type is recommended for use when the spray gun is more continually operated or where difficult exhausting conditions exist. Either type of fan can be used with the Window and Wall Mounting Assembly, while the JH only is used with the Booths for automobile spraying.

Type of Motor				Type JF Fan		Type JH Fan	
Current	Phase	Cycles	Volts	Ship. Wt.	Price	Ship. Wt.	Price
A. C.	2 or 3	50 or 60	220 or 440	90 lbs.	$51.00	220 lbs.	$108.00
A. C.	2 or 3	25, 30 or 40	220 or 440	95 lbs.	55.00	235 lbs.	114.00
A. C.	Single	50 or 60	110 or 220	100 lbs.	51.00	250 lbs.	135.00
A. C.	Single	25, 30 or 40	110 or 220	100 lbs.	55.00	255 lbs.	150.00
D.C.	——	———	110	95 lbs.	53.50	225 lbs.	130.00
D.C.	——	———	220	95 lbs.	55.00	225 lbs.	133.00
Fan Screen					3.00		3.50

PRESSURE FEED PAINT TANK — *TYPE QM*



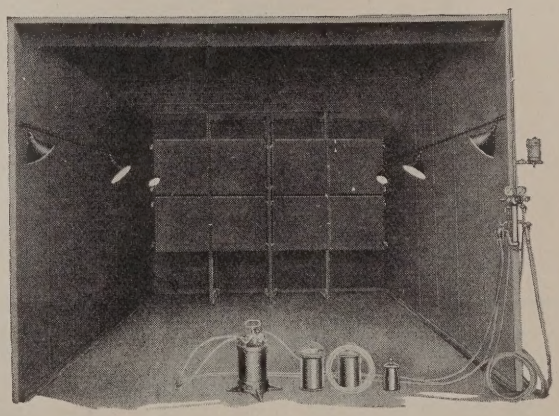
Type QM Pressure Feed Paint Tank, in 2-gallon capacity, is recommended where material in larger quantities is used and where it is necessary to turn the spray gun at difficult angles to more effectively handle the work. The flow of material is easily adjustable and is fed to the nozzle of the gun more uniformly and in greater volume than with any other method.

The Tank is well made of seamless pressed steel with welded bottom and is heavily plated inside. On the cover are mounted an air regulator, pressure gauge, safety valve, relief valve, air and fluid cut-off valve, and fluid outlet tube. The straight sides of the Tank and the opening of its full diameter when the clamped top is removed, make cleaning easy and make practicable the use of full size insert or extra material containers where necessary to make frequent changes in colors. It has a handle of the "spade" type and can be easily and comfortably carried about.

A Holder Base is supplied for this Tank, when desired, at a slight additional cost.

2-Gal., Net Trade Price - **$39.30**

PAINT SPRAY BOOTH



The Spray Booth unit is large enough to house the entire car and is the ideal equipment wherever its use is possible. It is a fire-proof steel structure correctly designed for the height of service at the lowest installation and operation costs. It is equipped with sprinkler heads and meets all fire underwriters' and legal requirements. This Booth is remarkably easy to install, as it is possible to exhaust from the back, top or either side.

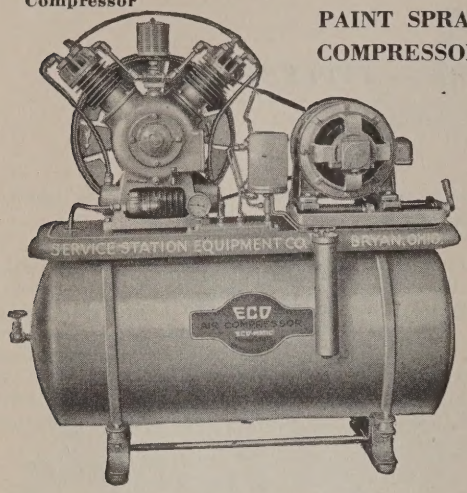
A few of the outstanding features of this improved type Booth are here listed:

1. Exhausting done from back, top or either side.
2. Shortest possible outlet pipe used.
3. Distributing plate distributes exhaust uniformly over entire cross-section.
4. Distributing plate construction in back collects any deposits of solid matter and is easy to clean.
5. Specially designed and constructed fan and motor can be located at any point.
6. All metal construction with curtain in top front.
7. Sprinkler heads installed.
8. Meets all fire underwriters' requirements and legal regulations.
9. Can be adapted to any available space.
10. Requires less power to operate.
11. Costs less installed.
12. A complete exhausting unit that gives the utmost for every dollar invested.

To meet special conditions, Booths can be furnished without backs and distributing plates. In this case the exhaust fan mounting is made in window or wall opening.

Prices on application.

SH-603-P
Paint Spray
Compressor



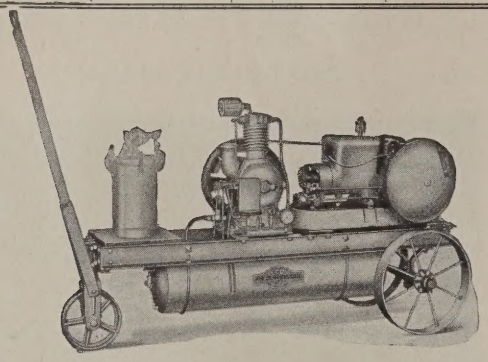
PAINT SPRAY COMPRESSORS

Precision Made ECO Automotive Servicing Equipment

SH-603-P — an exceptionally well built two cylinder "V" type air cooled, paint spray compressor for auto paint shop or industrial use. Will handle two standard sized commercial spray guns.

Unloader type controller maintains tank pressure between 70 and 75 pounds. Pressure adjustable.

Model No.	Cu. Ft. Displacement	Motor H. P.	Size Tank Inches	Shipping Weight	A. C. 60 Cy. 2 or 3 Phase 220 Volt	A. C. 60 Cy. Single Phase 220 Volt	D. C. 115 Volt 230 Volt
SH-603-P	14.5	3	20x48	825	$335.	$400.	$460.



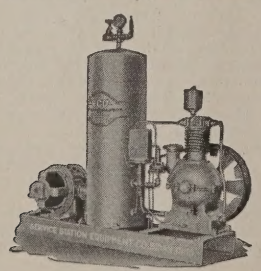
PORTABLE PAINT SPRAY COMPRESSORS

Intended for painting interiors and exteriors of buildings, oil storage tanks, etc. Controller maintains tank pressure between 70 and 75 pounds. Pressure is adjustable.

SE-222-GP — complete portable *single cylinder* compressor with gas engine drive. Mounted on sturdy all-steel truck. An ideal one-man outfit. Handles one standard size paint gun.

SH-223-GP — similar to SE-222-GP except has heavy duty *two cylinder* "V" type compressor and larger engine suitable for heavier service. Compressor has counterbalanced crank shaft and Timken bearings. Will handle two standard paint guns.

Model No.	Cu. Ft. Displacement	Motor H. P.	Size Tank Inches	Shipping Weight		Price
SE-222-GP	8.5	2	12x48	860	Gas Engine Drive	$260.
SH-223-GP	13.5	3	12x48	1120	" " "	390.



SE-18-P — an attractively priced stationary paint spray compressor for operation of one gun. Unloader type controller maintains pressure between 70 and 75 pounds. Pressure adjustable.

All ECO paint spray compressors are equipped with intake filter which removes dust and silences compressor.

The patented ECO-Matic Tank Drainer provides air free from oil and moisture, especially necessary for good painting.

Model No.	Cu. Ft. Displacement	Motor H. P.	Size Tank Inches	Shipping Weight	A. C. 60 Cy. 2 or 3 Phase 220 Volt	A. C. 60 Cy. Single Phase 220 Volt	D. C. 115 Volt 230 Volt
SE-18-P	7.7	1½	12x36	415	$190.	$205.	$220.

The Compressors shown on this page are equipped with General Electric Motors and ECO-Matic Tank Drainers.

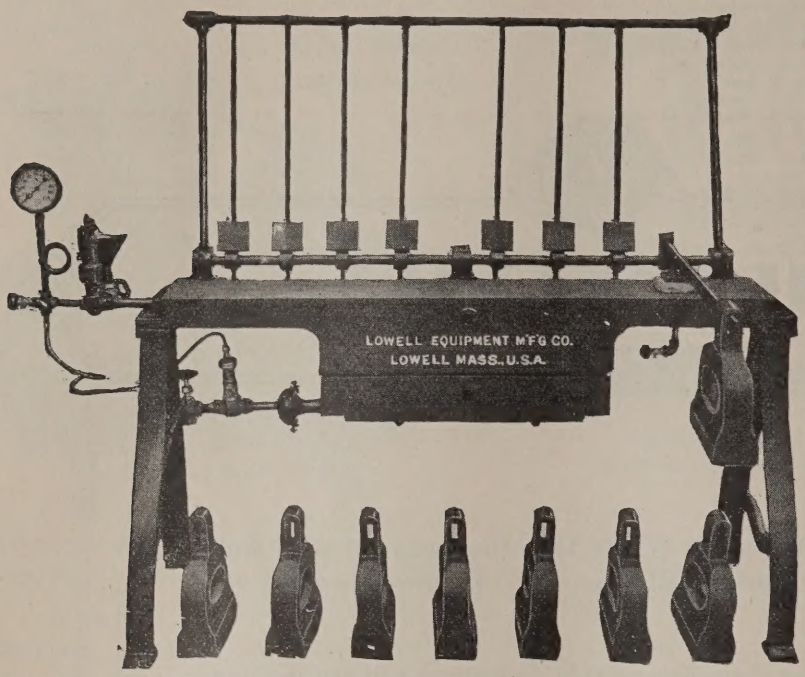
TIRE SERVICE SECTION

Tire service today is one that has been adopted universally by practically all branches of automotive service stations.

The proper operation of this department depends upon the tools and equipment used. Motorists are now accustomed to receiving quick attention when they require this service and unless they receive it, it is impossible to hold them.

For the Service Station that is desirous of developing this end of the business, we list on the following pages not only the equipment which is necessary for quick tire service, but also the large shop vulcanizers capable of making all types of repairs and capable of handling a large volume of business.

LOWELL VULCANIZERS



MODEL No. 3 TUBE PLATE

The No. 3 Tube Vulcanizer is of the same construction as the No. 2, excepting that it is arranged for eight tubes instead of three. It has a working surface of 46 inches by 7 inches and all working surfaces are machine finished and polished.

It is equipped with steam gauge, safety valve, filler valve, water level valve and Automatic Gas Controller.

NET TRADE PRICES, COMPLETE

Without Burner for connection to steam line or separate boiler	$ 95.00
With Gas Burner and Gas Controller	110.00
With Gasoline or Kerosene Burner	100.00
With A. C. Electric Heating Units	170.00
With D. C. Electric Heating Units	195.00
Floor Space Required	57"x27"
Approximate Shipping Wt.	625 lbs.

Extras

Pressure Tank for Gasoline Burner	$ 15.00

MODEL No. 85 THREE CAVITY VULCANIZER

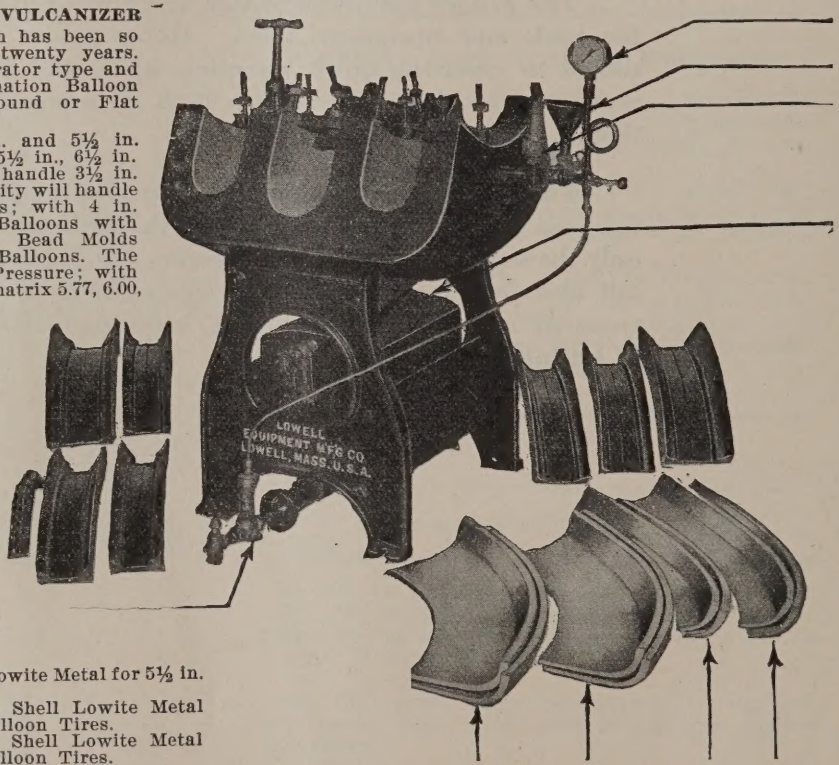
This machine is the model which has been so popular with the trade for over twenty years. It is the self-contained steam generator type and is one-fifth circle. It is a combination Balloon and High Pressure Mold for Round or Flat Tread Tires.

The cavities are 3½ in., 4½ in. and 5½ in. in width respectively and depth is 5½ in., 6½ in. and 7½ in. The 3½ in. cavity will handle 3½ in. High Pressure Tires. The 4½ in. cavity will handle 4 in., 4½ in. High Pressure Tires; with 4 in. Reducing Shell will handle 4.40 Balloons with Flat Tread Matrices and Balloon Bead Molds will handle 4.50, 4.75, 4.95 and 5.00 Balloons. The 5½ in. cavity handles 5 in. High Pressure; with 5 in. Shell 5.25 Balloons and with matrix 5.77, 6.00, 6.20 and 6.75 balloons. This machine will handle 18 in. and 19 in. rim sizes without extra equipment.

This large range of sizes in one machine is a big advantage from the standpoint of additional capacity as well as economy of space in operation.

The following equipment is supplied with this model. (See pages 27 and 28.)

No. 4000 One Pair Semi-Steel 3 in.-3½ in. Clincher Bead Molds.
No. 4001 One Pair Semi-Steel 3 in.-3½ in. Straight Side Bead Molds.
No. 4002 One Pair Semi-Steel 4 in.-4½ in. Straight Side Bead Molds.
No. 4003 One Pair Semi-Steel 5 in.-5½ in. Straight Side Bead Molds.
No. 3000 One Flat Tread Matrix Lowite Metal for 4½ in. cavity.
No. 3001 One Flat Tread Matrix Lowite Metal for 5½ in. cavity.
No. 3003 One Flat Tread Reducing Shell Lowite Metal 4½ in. x 4 in. for 4.40 Balloon Tires.
No. 3004 One Flat Tread Reducing Shell Lowite Metal 5½ in. x 5 in. for 5.25 Balloon Tires.
No. 4004 One Pair Semi-Steel 4" Bead Molds Balloon Type
No. 4005 One pair semi-steel 5-6" bead molds balloon type
No. 5000 One Space Plate.
No. 5001 Two Space Plates.



Fittings consist of Safety Valve, Filler Valve and Funnel, Water Level Valve and Automatic Gas Controller.

NET TRADE PRICES, COMPLETE

Without Burner for connection to steam line or separate Boiler	$280.00
With Gas Burner and Automatic Controller	300.00
With Gasoline or Kerosene Burner (See page 42)	290.00
With A. C. Electric Heating Units (See pages 17 - 26)	350.00
With D. C. Electric Heating Units (See pages 17 - 26)	375.00
Floor Space Required	30 in. x 20 in.
Approximate Shipping Weight	600 lbs.

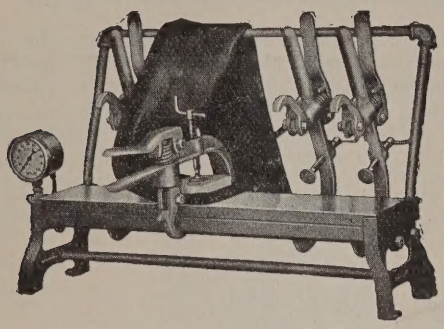
EXTRA

Extra for tank for gasoline or kerosene burner (See page 42)	$ 15.00

If Aluminum Bead Molds are desired add $27.85 to the prices listed.

IMPORTANT: This model does not meet the requirements of Pennsylvania, New York, Wisconsin and City of Detroit. For models for these places see pages No. 7 and 19.

SHALER



STEAM ELECTRIC TUBE PLATE

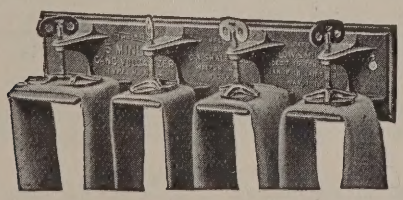
The outstanding features are speedy operation, efficiency, and durability. Heating element is guaranteed for five years.

The quick acting clamps used on these plates are unique. A single downward thrust of clamp handle puts spring pressure (adjustable) on the repair and locks clamp in place. When the repair is cured, one motion unlocks clamp and swings it back out of the way. Clamps slide lengthwise of plate.

Type SE-2: 5 x 12 inch, 2 clamp plate with quick acting clamps, pressure blocks, regulator, cord and connecting plugs. Shipping weight 40 pounds.
For 110 or 220 volt A. C. circuit only (net) **$27.50**
For 110 or 220 volt D. C. circuit (net) **$42.50**

Type SE-4: 5 x 24 inch, 4 clamp plate with quick acting clamps, pressure blocks, regulator, cord and connecting plugs. Shipping weight 70 pounds.
For 110 or 220 volt A. C. circuit only (net) **$35.00**
For 110 or 220 volt D. C. circuit (net) **$50.00**

Note: Add 20 pounds to shipping weight where plates are furnished for direct current circuit.



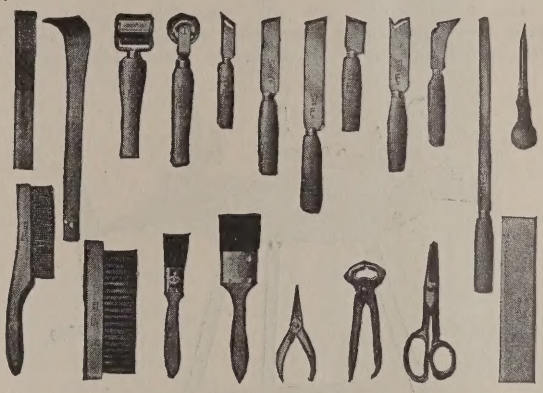
Type M-4 Vulcanizer

Type M-4 Tube Vulcanizer Outfit includes four clamp vulcanizer (one clamp for Ex-Long and three clamps for Round and Oblong Units) 50 Round, 50 Oblong and 25 Ex-Long Units.
Shipping weight 24 lbs. **Net Price $9.00**

Patch-&-Heat Units In Quantity Packages

No. G-6, Round 1¾ inch, Pkg. of 50 Net $2.10
No. G-7 Oblong 1⅜x2¼ in. Pkg of 50 Net 2.10
No. G-8, Ex-Long 1¾x4 in. Pkg. of 25. Net 1.75
GX-6 Round Unit, pkg. of 1000. Net Price $38.00
GX-7 Oblong Unit, pkg. of 1000. Net Price 38.00

SHALER

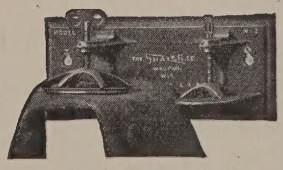


SHALER VULCANIZING TOOLS

		Net Price
No. 1	8 inch Rubber Roughener	$ .40
No. 2	12 inch Casing Scraper	.40
No. 3	1½ inch Ball Bearing Roller	1.00
No. 4	1½ inch Ball Bearing Stitcher	1.00
No. 5	2 inch Bevel End Knife	.35
No. 6	4 x 1 inch Square End Knife	.45
No. 7	4 inch Skiving Knife	.75
No. 8	2 inch Notched Fabric Knife	.50
No. 9	4 inch Notched Fabric Knife	.50
No. 10	2¼ inch Hawk Bill Fabric Knife	.50
No. 11	10 inch Flexible Lining Probe	.60
No. 12	7 inch Pointed Probe	.20
No. 13	Wire Brush, shoe handle	.40
No. 14	Wire Brush, flat back	.65
No. 15	1 inch Cement Brush	.20
No. 16	2 inch Cement Brush	.35
No. 17	4¾ inch Plug Pliers, (Bernard's Pat.)	.30
No. 18	5 inch Fabric Pliers	.50
No. 19	8 inch Shear Snips	.75
No. 20	8 x 1½ inch Sq. Sharpening Stone	.25

No. 20 Tool Assortment. Tools No. 1 to 20 inclusive. For casing and tube work. Net Price $9.00

No. 6 Tool Assortment. Tools No. 1, 3, 4, 12, 15, and 19. For tube work only. Net Price $3.00



Type M-2 Vulcanizer

Type M-2 Tube Vulcanizer Outfit includes two clamp vulcanizer (one clamp for Ex-Long and one clamp for Round and Oblong Units) 50 Round, 50 Oblong and 25 Ex-Long Units.
Shipping weight 19 lbs. **Net Price $6.92**

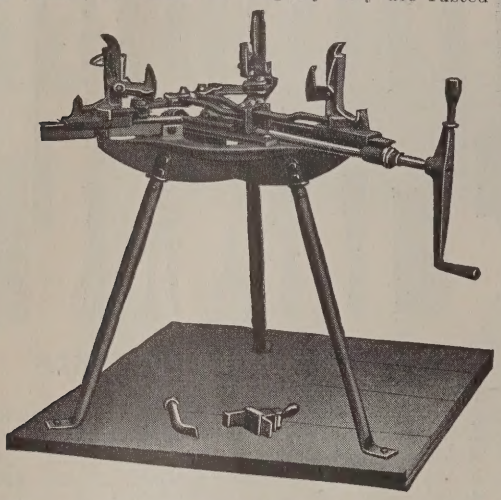
MANLEY SERVICE STATION EQUIPMENT

MANLEY TIRE CHANGER NO. 904

WILL HANDLE LARGEST PNEUMATIC TIRES

BOTH HIGH PRESSURE AND BALLOON

Also handles disc and wire wheels and solid rims. Tires can be removed from solid rims, wire wheels or disc wheels, no matter how tightly they are rusted on.



STRONG CONSTRUCTION. The center frame is of malleable iron, made in the form of a ring.

TEE SECTION SLIDES are bolted to lugs which are cast on the ring.

JAWS OPERATE ON COARSE PITCH THREAD which move a nut connected to three links, one of which pulls the jaw next to the handle. The other two links are connected to bell cranks which are linked to the jaws.

BALL-BEARING THRUST is provided on the operating screw and nut, eliminating practically all friction at this point.

JAWS MOVE IN UNISON with a ratio of one to one of the hand crank.

THE LINKS ARE OF HEAVY STEEL, while the bell cranks, nuts, etc., are of malleable iron.

STRONG JAW CONSTRUCTION. Composed of malleable iron, uniquely designed and provided with serrations. These jaws grip the rim and prevent any slippage.

UNIQUE CONSTRUCTION OF JAWS allows solid rims, wire and disc wheels to be securely held.

SPECIAL HAND TOOL IS FURNISHED to drive the tire off the solid rim.

TIRE IS EASILY REMOVED from the solid rim by use of this special hand tool.

DISTORTION IS PREVENTED by a top jaw used on the jaw nearest the break in the rim. This jaw automatically grips the rim at the top, making a double jaw at the rim split.

WOODEN PLATFORM forms a solid, substantial base for this machine and also permits it to be easily moved, when necessary.

Cat. No. 904 **Net Trade Price** **$36.50**

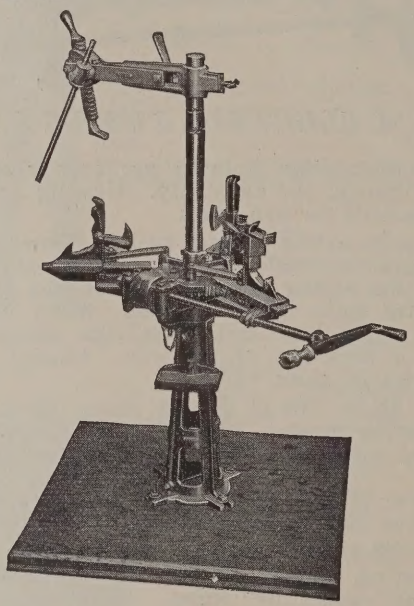
MANLEY TIRE CHANGER NO. 906

WILL HANDLE LARGEST PNEUMATIC TIRES

BOTH HIGH PRESSURE AND BALLOON

Also handles disc and wire wheels and solid rims. Tires can be removed from solid rims, wire wheels or disc wheels, no matter how tightly they are rusted on.

Realizing that speed is the watchword of service stations and garages, this machine was designed to reduce the time necessary to make changes and at the same time reduce the danger of distorting the rim or damaging the casing. The worm and sector with the toggle action moving the jaws at an angle from the sector gear increases the speed of operation and reduces friction.



RIGID CONSTRUCTION. This machine is built on a substantial, malleable iron base with a heavily constructed malleable iron spider to support the mechanism.

STEEL TEE IRONS from the guides for supporting the heavy malleable iron jaws.

INCREASED JAW TRAVEL of one inch has been provided, so that the smallest as well as the largest rims can be securely gripped.

AUXILIARY TOP JAW prevents rim distortion by making it possible to grip the rim, at the split, on both top and bottom.

SOLID RIM ATTACHMENT is instantly attached or removed by the use of a bayonet socket in the center post.

QUICK ADJUSTMENT is provided for Solid Rim Attachment by a spring pin operating in grooves on the vertical rod, thus permitting adjustment to suit various tire sizes.

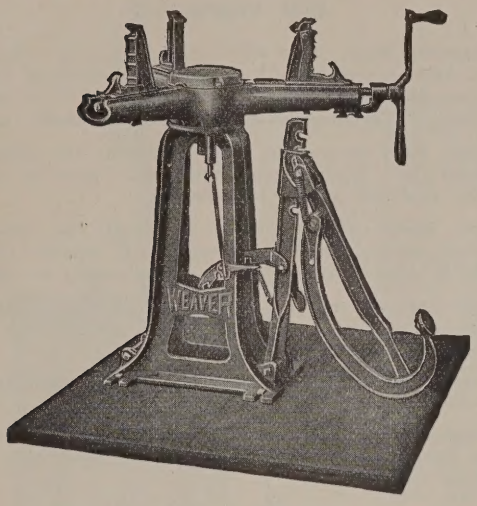
OPERATING HANDLE IS REMOVABLE and provision is made in one end of the handle, so that it may be used as an extension socket when extra large casings are to be worked on.

ENTIRE TOP REVOLVES on the pedestal with provision made to lock it rigidly.

WOODEN PLATFORM forms a solid, substantial base for this machine and also permits it to be easily moved, when necessary.

Includes Solid Rim Attachment and sold only as a unit.
No. 906, **Net Trade Price** **$57.00**

MODEL E. WEAVER UNIVERSAL TIRE CHANGER



The Model E Tire Changer has been developed to meet the demand for a quick, safe and convenient means for changing tires on all types of split and solid detachable rims and wire and disc wheels.

Goose-Neck for Removing Tires From Wrie and Disc Wheels and Solid Rims

To remove tire from wire or disc wheel or solid rim, rim is firmly held by expanding jaws against it and using adjustable goose-neck to force tire down off rim.

Tires are easily removed from split rims by contracting rim by means of the double handled crank sufficiently to allow tires to be lifted off. Tires are easily remounted by reversing operation.

Changer is shipped set up for use.

Floor space, 42x42 inches. Shipping weight, 242 lbs.

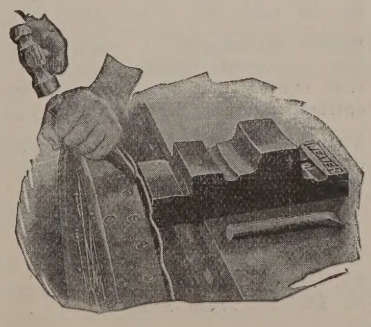
No. WF10 Tire Changer.....each $58.00

WEAVER RIM ANVIL

Saves time and labor in straightening kinks in rims and wire and disc wheels.

Two hand tools for opening grooves are supplied.

Shipping weight 29 pounds.



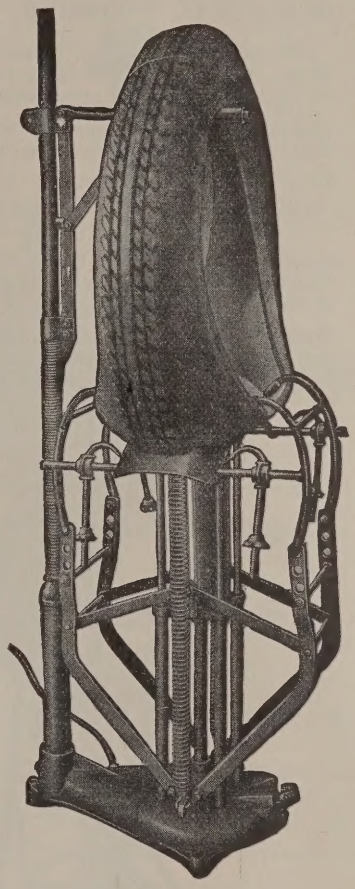
No. WF13 Rim Anvil.....each $6.50

WEAVER POWER TIRE SPREADER
For High Pressure and Balloon Tires

A quicker, easier means for spreading high pressure and balloon tires to and including 10½ inches, without danger of damaging them.

After tire is placed in position, pressure on right pedal of valve allows compressed air to fill cylinder and force down piston and arms, spreading tire naturally over buffing plate. Pressure on left pedal allows air to escape and compression springs force piston and arms upward, allowing tire to resume original position.

After break is located, hooks on removable buffing plate are placed over beads to hold tire spread and tire can be removed for repairs. Roller on support arm facilitates revolving tire for inspection to locate break.



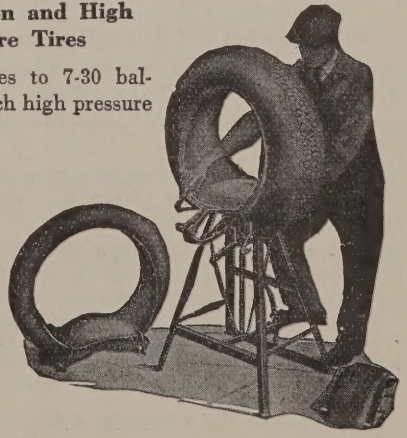
Spreader is built to operate on 90 to 150 lbs. air pressure, furnished by ordinary compressor. Floor space, 15x26 in. Height, 6½ ft. Weight, 208 lbs.

No. WF16 Power Tire Spreader.....each $70.00
No. WF17 Extra Buffing Plate for Power Spreader .....each 5.50

MODLE I WEAVER TIRE SPREADER
For Balloon and High Pressure Tires

Handles tires to 7-30 balloons and 5 inch high pressure tires.

Conveniently operated by means of a foot lever, as shown.



No. WF14 Tire Spreader, Model I.....each $28.00
No. WF15 Extra Buffing Plate for Model I..each 3.50

MANLEY SERVICE STATION EQUIPMENT

MANLEY HEAVY-DUTY PNEUMATIC TIRE INSPECTOR

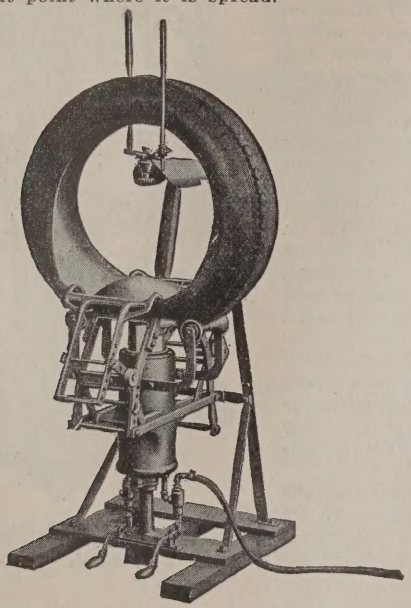
Operates from your tire inflation system—no manual effort. Will spread pneumatic tires of any size.—and will keep them spread indefinitely.

Handles Any Size Pneumatic Tires. Press one foot pedal to spead and press other pedal to release.

Tires Easily Put In Place. Vertical Rod, held by thumb screw, is removable, making it possible to put tires in place without having to lift tires over this rod.

Quick Adjustment To Hold Tires Upright. Merely loosen handscrew and turn yoke so that vertical rods contact with sides of tire.

Work Illuminated. Protected electric light socket is provided so that light will be thrown directly on inside of tire at point where it is spread.



Quick Adjustable Hooks. The length of the hooks is quickly and easily adjusted according to size of tire by slip pins.

Hooks Pull Down And Out. By an ingenious arrangement of toggle and roller cam action a scientifically correct action of the hooks is obtained, which spreads the tire easily and in a manner which avoids possibility of damaging the internal structure of the tire.

Quick Adjustable Stop. Amount of spread is controlled according to the size tire by means of slip pins.

Tremendous Power. The large size of air cylinder supplies the power.

Both Hands Free To Handle Tire. Control of the Manley Pneumatic Tire Inspector is by means of foot pedals.

Machine Is Portable. It is mounted on wooden base as illustrated and can be moved about. Many tire shops, garages, and filling stations keep their Tire Inspector out in front during the day for quick inspection and repair work, and move it inside for the night. Used this way it serves as an advertisement that yours is an up-to-date shop.

DIMENSIONS

Height overall, 6′ 0″. Occupies floor space, 2′ 1″ x 2′ 6″

No. 910, Net Trade Price **$65.00**

Designed for both inspection and repairs.

NO. 912 MANLEY PNEUMATIC TIRE SPREADER AND INSPECTOR

Operates from your tire inflation system. Handles any balloon tires except heavy truck balloons over 6 inches diameter—high pressure tires up to 6 inches diameter. Foot control leaves operator's hands free.

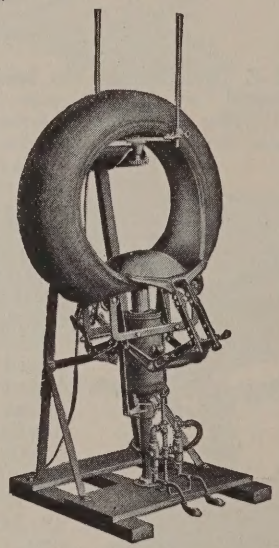
Quick, Easy Operation. Merely press foot pedal to spread tire. Pressing the other pedal, pressure is released and tire returns to normal.

Tires Easily Put In Place. Vertical rod, held by thumb screw is removable, making it possible to put tires in place without having to lift tires over rod.

Quick Adjustment To Hold Tires Upright. Merely loosen hand screw and turn yoke, vertical rods then automatically centralize the tire.

Fixed Reflector With Light. Enables a thorough inspection to be made of inside of tire.

Cylinder Is Built Low so that when the tire is mounted and opened up the spread casing is raised to a convenient height.



Quick Adjustable Hooks. The length of the hooks is quickly adjusted to the size of tire by merely changing the slip pin.

Quick Adjustable Stop. The amount of spread is controlled by slip pin.

Tires Revolve On Rollers. This feature makes it easy to rotate the heaviest tire when once in position on the machine.

Non-Corrosive Valves eliminate any possibility of damage by rust, due to moisture in the air.

Blower Attachment is easily attached to the supply line as a special fitting is provided for this. This feature enables the repairman to thoroughly clean the surface before applying the cement.

Machine Is Portable. Being mounted on a wooden base allows this machine to be moved to the most convenient place in the shop.

DIMENSIONS

Height overall, 69″. Floor space occupied, 25″ x 30″.

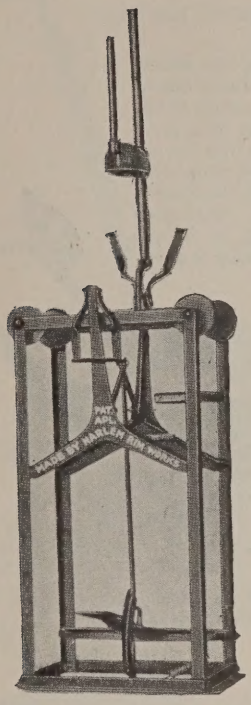
No. 912, Net Trade Price **$44.00**

No. 911, Net Trade Price **3.50**

For both inspection and repairs.

TIRE SHOP EQUIPMENT

HARLEM TIRE SPREADERS



A New and Improved Model Spreader designed to reduce tire repair costs, to allow most rapid work and simplify inspection.

Constructed most rigidly, angle iron chassis, gray and malleable moving parts thruout, adjustable electric light shade with plug in extension socket.

Twin rollers on either side and trip catch on pressure pedal to allow tire to be held as far open as desired.

Net Trade Price $22.50

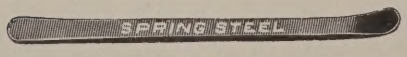
DOVER TIRE TESTERS

A necessity and a great convenience to every repair shop. Made of heavy galvanized steel, will not rust. Fitted with rod for holding tube.

Accommodates Balloon tire sizes.

No. 1 — *31" long, 8½" wide, 8½" deep,*
Net Trade Price $3.34

STEVENS PRY BAR



A big husky tool made of tool steel—an excellent tire iron and particularly useful as a pry bar for work around the car and shop.

Hand forged and shaped to meet every service need

T-450 — *16½" long*, Net Trade Price $0.24

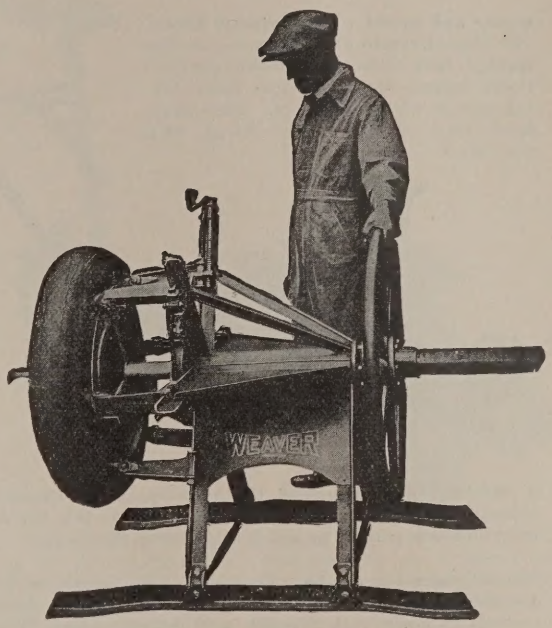
HEAVY DUTY HAMMER

A good heavy hammer to assist in removing tires and other work where a heavy hammer is required

Net Trade Price, *3 lb.* $1.50

WEAVER RIM STRIPPER

Hand Operated



This new Rim Stripper, while similar in general design to the previous air operated model, includes many refinements in design and is hand operated. It will quickly remove the largest and heaviest pneumatic tires from 18 to 24 inch solid rims and wheels of various types, including disc wheels, performing in a few minutes with ease work that would often require hours of the hardest labor.

When handling disc wheels, wheel is placed on the three jaws of the chuck, which is expanded to grip rim by turning nose of chuck. Thrust plate is then placed in the proper slot in chuck nose in contact with wheel and held by wedge to take thrust when wheel is drawn inward to remove tire. Solid rims are held by the chuck jaws, the thrust being taken by the lips of chuck jaws which grip bead of rim.

The six fingers which force tire off when wheel or rim is drawn inward are then adjusted simultaneously to rim by means of the lever at top of stripper. These fingers move in and out concentrically to fit tires and rims of various sizes and distribute pressure equally over casing. Ends of fingers pivot, keeping them in contact with rim as pressure is exerted.

The chuck which holds wheel and tire is drawn inward by means of a heavy screw operated by large hand wheel, the stationary fingers forcing the tire off. Pressure in excess of 20,000 lbs. can thus be developed with little effort, ample to handle the most difficult tires. Screw is 2¼ inches in diameter, same as is used in the Weaver 60-ton press.

Ruggedly built for hard service and enclosed against dirt and moisture.

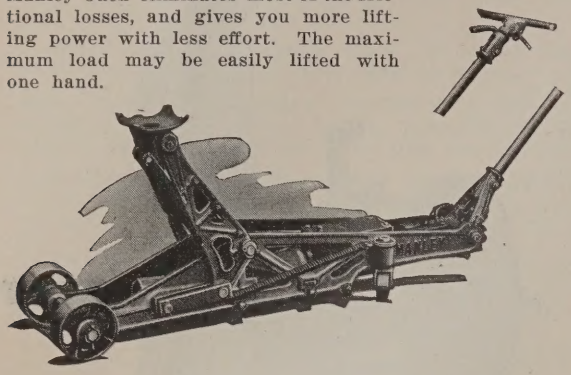
Shipping weight, 455 lbs.

No. WF20 Rim Stripper, hand operated...each $185.00

MANLEY 2½ TON HIGH-DRAULIC JACK

(From Dead Flat to Full Clearance with any Balloon Tire)

Power and Speed with Minimum Effort. The High-Draulic principle used in The Manley Jack eliminates most of the frictional losses, and gives you more lifting power with less effort. The maximum load may be easily lifted with one hand.



A Safety Pin Is Provided in the releasing mechanism (illustrated in circle above) making it impossible for an unauthorized person to accidently lower the jack.

Handle Operates In Any Position. The handle which operates the pump may be worked in any position, from vertical to horizontal, through a 90 degree radius. This range of operation allows the jack to be used in close quarters, and under long, overhanging bodies.

Roller And Ball Bearings. Wheels are equipped with Roller Bearings and the casters have Ball Bearings. This makes it easy to move cars over rough floors.

Horizontal Cylinder. The cylinder is suspended in a horizontal position between the frames, and functions only in its capacity to transmit motion through the piston to the cantilever beam on which the car is raised. Safety Valve Prevents Straining. The capacity of this jack is 5,000 lbs. To prevent an overload, a needle valve in the oil chamber, regulated by a spring, is automatically released when the maximum load is reached.

No Oil Leaks. An additional feature provides for the automatic return of any oil which might work past the pistons.

Control Mechanism. Operated from levers on the handle grips.

Lowering The Jack is accomplished by gripping the lever on the right handle grip.

Positioning Lock is operated by the lever on the left handle grip.

The Pivoting Feature allows the jack to be easily positioned as the casters are mounted near the mid section of the jack.

Frames Are Of One-Piece Certified Malleable Iron Construction thereby eliminating joints, rivets, bolts or other attachments to get loose or need adjustment.

Dimensions

Min. Ht. 6″; Max. Ht. 19″, Screw Adjust.2¾″ Tot:Lift, 13″

Net Trade Prices

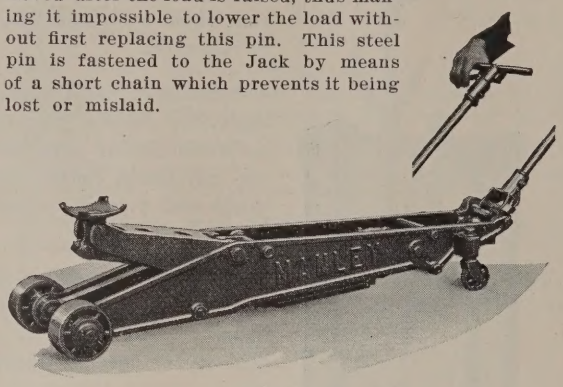
Cat. No.		Ship. Wt.	Price
555-A	High-Draulic Jack (steel wheels)	160 lbs.	$48.00
556-A	High-Draulic Jack (rubber tires)	160 lbs.	59.00

MANLEY 7½-TON HYDRAULIC JACK

For Trucks and Buses

Minimum Height 6″, Lift 14½″

Illustration shows detail of the Safety Pin device in the release mechanism. This feature allows the Jack to be raised and held suspended without danger of accidental lowering. This pin is renoved after the load is raised, thus making it impossible to lower the load without first replacing this pin. This steel pin is fastened to the Jack by means of a short chain which prevents it being lost or mislaid.



Strength And Simplicity accomplished by the use of ONE-PIECE, thoroughly ribbed side frames.

Hydraulic Principle allows the heaviest loads to be raised with ease.

Reverse Type Horizontal Cylinder used to minimize space, while the plunger acts as the oil reservoir. This plunger is pivoted to the frame members by means of a chrome nickel pin, capable of standing THIRTY TONS horizontal pressure.

New Safety Device Prevents Lowering. This is an entirely new feature and is simple, efficient and reliable. The Jack is provided with a safety pin in the release mechanism, which can be removed after the load is raised. This makes it impossible to lower the load accidentally. The pin must be replaced for lowering.

Easy, Convenient Operation secured by using the handle to operate the pump plunger with either short or long strokes, while lowering is accomplished by simply squeezing the release lever.

No Oil Leakage. This objectionable feature is eliminated by the use of four rings of high grade packing. The packing is not subjected to initial pressure but gathers the oil adhering to the plunger and returns it to the oil reservoir.

Suitable For Heavy, Dual-Tired Vehicles. The entire lifting mechanism is contained inside the frames of this Jack, which allows it to be used on trucks and buses where the point of lift is located near the tire.

Low, Overhanging Bodies Do Not Interfere, as the handle can be pumped from any position, even though only a few inches of movement are possible, due to low body construction.

Overloading Prevented by a cleverly designed "By Pass Valve," contained in the pump plunger mechanism. Overloading of the Jack beyond its capacity is prevented. Even though the handle is continually pumped after the load is raised no damage occurs to the Jack, as the oil is by passed through this valve back to the oil reservoir.

Dimensions

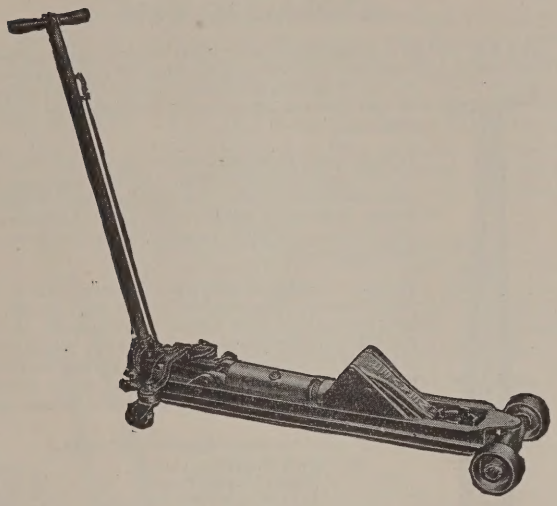
Cat. No. 559

Min. Height, 6″	Length of handle, 43″
Max. Height, 20½″	Length of Jack, 57″
Total Width 17″	Total Length, 100″

Net Trade Prices

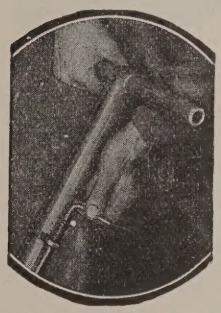
Cat. No. 559 Shipping Weight, 287 lbs. **$125.00**

WEAVER HYDRAULIC JACK



The Weaver Hydraulic Jack is the ideal hydraulic jack for general garage use. It is simple in operation, can be used to advantage under crowded conditions because the wheels can be steered by turning the handle, and with it, 6,000 lbs. can be raised with ease.

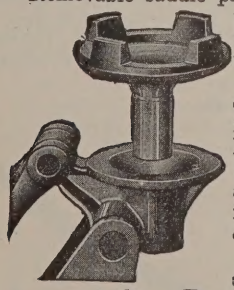
The raising and lowering of the load is controlled by a lever conveniently located under the handle. To raise load turn lever to left and pump handle. To lower load turn lever to right, which releases oil pressure and saddle comes gently to the lowest position. Springs attached to lifting arm drop arm down quickly when saddle is released from load.



The hydraulic principle of operation enables jack to be operated with short as well as long strokes, a great advantage under crowded conditions. Front wheels can be steered to guide jack when placing under car or moving car, an exclusive Weaver feature.

Range of lift from 5 to 18 inches, low enough to handle cars with flat balloon tires and high enough to reach the highest axles. A safety port in cylinder prevents over-pumping when raising. Handle stands upright when not in use.

Removable saddle pivots and is rigidly supported to prevent shifting and bending. It is hollow to allow dirt to pass through (see cut).



Hydraulic cylinder is pivoted on frame, allowing front of cylinder to raise and lower with lifting arm. Line of force is always direct, eliminating linkage and consequent danger of injury to packing or uneven wear of cylinder due to side thrust.

Frame is of heavy channel steel, electrically welded, which insures rigidity. Front end pivoted on front axle and rear is supported by two casters—a three point support that enables jack to be used on uneven surfaces without undue strain. Ball bearings in rear casters, roller bearings in wheels. Length 55½ in.; handle, 45¼ in.; width, 16¼ in. Lift, 5 to 18 in. Capacity 6,000 pounds.

No. WA24, With Steel Wheels (wgt. 209 lbs) .ea. $50.00
No. WA25, With Cushion Wheels.....ea. 62.00

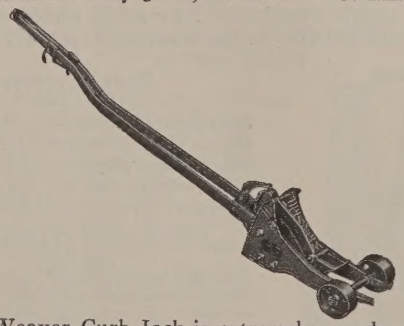
WEAVER LO-WAY JACK
With Double Rear Caster

The standard can be dropped to 6 inches and raised to 14 inches, and the extension can be screwed up 3 additional inches, making a maximum height of 17 inches. This range of lift is ample to take care of the lowest and highest axles.

The wheels can be pivoted by turning handle, thus enabling the operator to guide the jack under the car and guide the car while transporting it on the jack. This is an exclusive feature.

Ruggedly built to stand hard service. The frame is of spring steel with ample ground clearance. Capacity of jack, 5,000 pounds. Ease of operation insured by roller bearings in axle and quadrant and by ball bearings in the caster. Steel wheels or rubber tires optional. *each*

No. WA20 Lo-Way Jack, Steel Wheels $36.00
No. WA21 Lo-Way Jack, Cushion Tires 48.00



The Weaver Curb Jack is extremely speedy and efficient for changing tires on the curb, etc., due to the fact that both raising and lowering are controlled from the handle, an exclusive feature. One pull of the rear trigger on handle, as shown above, raises saddle to load and load is lifted on first stroke of handle. To lower load, pull front trigger and keep on pumping. Saddle drops to lowest position when released from load.

Minimum height of saddle, 4¼ inches—amply low to handle flat balloon tires. Maximum, 17 inches. Long curved handle facilitates operation in case of overhanging tires, bumpers, etc. When not in use, jack can be leaned against wall, out of the way.

An ideal jack to carry in the service car, light yet amply strong. Recommended capacity, 2500 lbs., with ample overload capacity. Length, 70 in. Range of lift, 4¼ to 17 in. Shipping weight, 54 lbs.

No. WA23, Weaver Curb Jack .....each $17.50

No. 740 Walker Roll-A-Car

Safety Features

The No. 740 Walker Roll-A-Car is the last word in Garage Jacks. It is the answer to all of the new lifting problems which Balloon Tires brought, which crowded garages made, and those presented through the necessity of lifting from any position under a car, front, rear, or side.

The exclusive safety features embodied in this new Roll-A-Car, prevents injury to operator or damage to a car.

When set to lift, the handle cannot pass beyond a vertical position. This eliminates the danger of a man being thrown against the car or the handle hitting the car.

The jack cannot be lifted beyond its maximum height. On the last up strokes an automatic reverse operates and another handle stroke starts the jack down.

The handle can be unlocked from its connection with the lift members so that any contact with the handle by a passing car or another mechanic will not raise or drop the load.

Range and Operation

The range of No. 740 Roll-A-Car is greater than any other garage jack.

The low lifting point of 5 inches will clear any axle with both tires flat, the jack can be raised 12 inches under power to a total height of 17 inches without cap adjustment. This range handles all Balloon Tires.

The 43 to 1 lifting ratio makes the jack easy to operate—one man can raise the front or rear of the heaviest car with one hand.

This is the first jack ever built with a foot operated reverse and the elimination of all control rods on the handle make operating simplicity itself.

Quick cap adjustment to axle height is obtained by touching a lever with the foot.

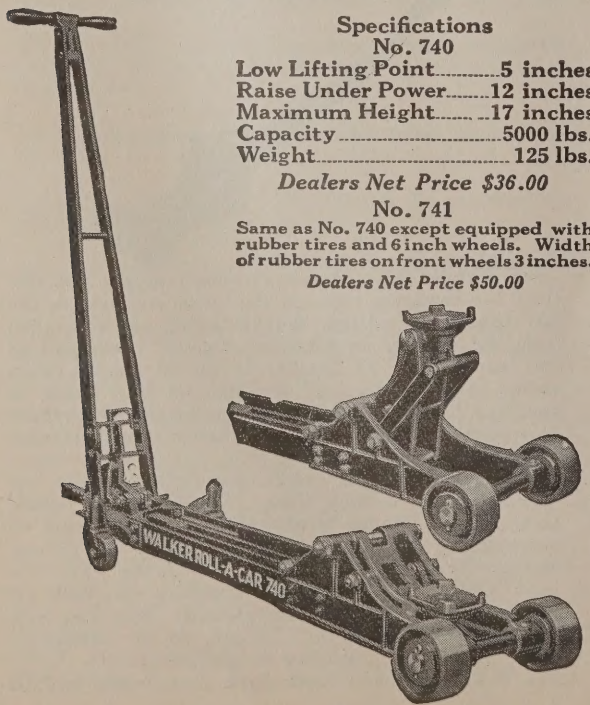
The 4½ inch square cap has sufficient dish to fit all differentials; a hole in the center to take drain plug.

The handle can be operated in 3 positions, clearing all interferences with bumpers, fenders or running boards and can be folded flat when not in use.

A ground clearance of ¾ of an inch is maintained under all parts of the frame.

Such material as malleable iron, steel and drop forgings as used in the construction of this Jack to insure service.

Each jack is tested under load and is guaranteed to give service and satisfaction up to its rated capacity.



Specifications
No. 740

Low Lifting Point	5 inches
Raise Under Power	12 inches
Maximum Height	17 inches
Capacity	5000 lbs.
Weight	125 lbs.

Dealers Net Price $36.00

No. 741

Same as No. 740 except equipped with rubber tires and 6 inch wheels. Width of rubber tires on front wheels 3 inches.

Dealers Net Price $50.00

No. 770 Walker Roll-A-Car

HYDRAULIC TYPE

The No. 770 Roll-A-Car (Hydraulic Type) retains the outstanding features of convenience and utility that have won such popularity for No. 740 Roll-A-Car (Mechanical Type) and gives in addition the smooth lifting qualities of hydraulic operation.

It has counter-balanced construction for quick positioning, 5 inch low starting point, 17 inch high point, 4½ inch non-bending and non-tipping cap. A positive acting, automatic safety valve prevents overloading and the conveniently located foot pedal lowers the load smoothly.

Operated in closest quarters. Handle may be used full stroke or with as little as a 4 inch stroke. All hydraulic parts have ample over-capacity to lift a full load of 5000 pounds. Hydraulic mechanism is mounted on a fulcrum pin at rear, giving direct drive to cantilever arm and eliminating stress on piston or connecting rods. One filling of oil lasts indefinitely.

Specifications

Low Starting Point	5 inches
Raise Under Power	12 inches
Maximum Height	17 inches
Capacity	5000 pounds
Weight	165 pounds

Dealers Net Price

No. 770 ..... $48.00
No. 771 with rubber tires for show room use $62.00.

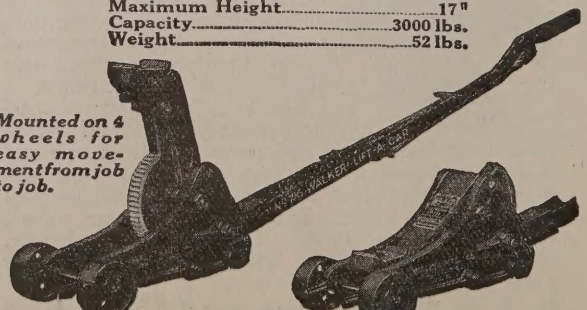
No. 716 Walker Lift-A-Car

Walker offers you, in this new No. 716 Lift-A-Car, the highest development in a cantilever type jack. Fast and sturdy. Especially adapted for tire changing, all curb work, adjusting brakes, etc. Only 52 pounds pressure on the handle lifts a ton. The long offset handle gives instant positioning under the car. Pull a little lever on the handle and the cap goes up to axle height. The range of 4 to 17 inches without cap adjustment takes care of any car. The long handle has a 12 inch stroke and clears all interferences. The cap is a malleable iron casting with hardened steel lining and hole in center to take drain plug. Chassis is powerfully built of malleable iron and and the lifting segment is a hardened drop forging with milled teeth and is supported by a very long bearing. A lever on handle reverses jack, and the reverse mechanism positively prevents whipping. Extended prongs at the front of the jack permit you to stand it up against the wall when not in use. No. 716 will quickly pay its way in time saved in any garage, service station or tire shop.

52" Offset Handle

Low Starting Point	4"
Raise under Power	13"
Maximum Height	17"
Capacity	3000 lbs.
Weight	52 lbs.

Mounted on 4 wheels for easy movement from job to job.



Dealer Net Price $17.50

No. 760 Walker Roll-A-Car

The No. 760 Walker Roll-A-Car is designed to carry the maximum load required in lifting and moving heavy busses and trucks. The extremely low lift, the high raise, the long handle with short stroke, have all been worked out by Walker engineers to meet every requirement of a Jack for this purpose. The great leverage, compounded through gears, makes it possible for one man to make the heaviest lifts. A simple reverse mechanism controls the raising and lowering of the jack, and the jointed handle can be set in any position

The construction of all parts is massive. The wheels are on roller bearings, and the pivot bearings are bushed; steel, malleable iron, and forgings are used in their proper places, with the idea of having a jack that will withstand continued and severe service.

A Six Ton Roller Jack for Busses and Trucks

SPECIFICATIONS

Weight—275 lbs. Length—56 inches.
Handle—49 inches.
Low Point—5¼ inches.
High Point—17¼ inches.
Extra Cap Adjuster—3 inches.
High Point with Cap Adjuster—20¼ in.
Wheels—6 inches. Capacity—6 tons.

Dealers Net Price $97.50

Nos. 791-792-793 Walker Rigid Racks

Adjustable Auto Supports

The Walker Rigid Rack is an entirely new type of horse—built on a different principle, and giving a wide range of quick and easy adjustability without the use of shear pins or springs. When load is applied, rack bar locks absolutely, rigid in all positions. Powerfully built and balanced with convenient carrying handle and trigger release. Every mechanic should have a pair of Walker Rigid Racks for his own use.

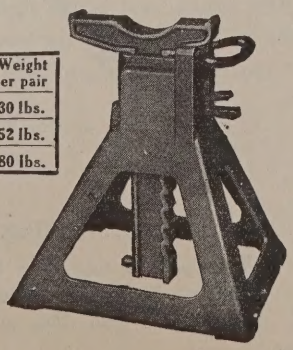
No. 791 For work under axles and frames of the modern low built passenger cars. Capacity 2 tons.

No. 792 For general garage use under axles and frames of all models of cars and of sufficient capacity to be used under busses and trucks. Capacity 5 tons.

No. 793 Built extra heavy for use under the largest trucks, and with sufficient extended range to support axles or frames of trucks built with high axle clearance. Capacity 7 tons.

Specifications

No.	Height	Raise	Capacity	Weight per pair
791	11"	6¾"	2 tons	30 lbs.
792	14¼"	10¼"	5 tons	52 lbs.
793	18"	12"	7 tons	80 lbs.



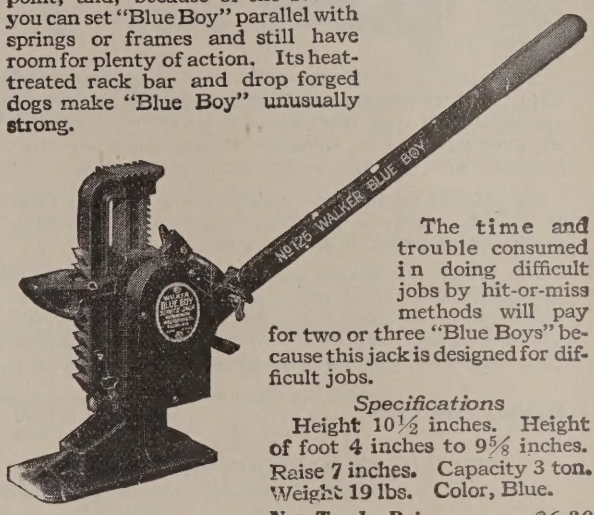
Dealers Net Price Per Pair

No. 791.....$ 6.50
No. 792..... 11.00
No. 793..... 15.50

No. 125 Walker Blue Boy

"Blue Boy" was built expressly for service work—for aligning wheels, adjusting brakes, replacing springs and axles—for anything and everything in the busy repair shop that requires speed, strength, and easy action. The well-equipped shop should have a "Blue Boy" for every mechanic and one for every service truck.

Its large surface, corrugated cap bites into the part that it supports. The broad V-shaped foot lift gets down to 4 inches from the ground. You can get under the lowest point, and, because of the broad extension on each side you can set "Blue Boy" parallel with springs or frames and still have room for plenty of action. Its heat-treated rack bar and drop forged dogs make "Blue Boy" unusually strong.



The time and trouble consumed in doing difficult jobs by hit-or-miss methods will pay for two or three "Blue Boys" because this jack is designed for difficult jobs.

Specifications

Height 10½ inches. Height of foot 4 inches to 9⅝ inches. Raise 7 inches. Capacity 3 ton. Weight 19 lbs. Color, Blue.

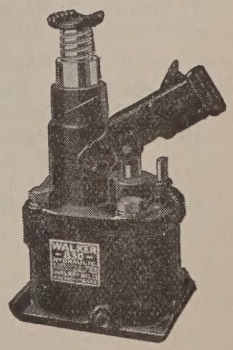
Net Trade Price ***$6.30***

No. 830 and No. 835 Walker Jacks

Single Lift Hydraulic Type With Screw Extension

No.	Height	Raise	Screw Ext.	Capacity	Weight	Dia. Ram
830	9"	6½"	4¾"	3 tons	20 lbs.	1⅞"
835	9"	6¼"	4¾"	7 tons	25 lbs.	1⅞"

36" Folding Handle



No. 830 and No. 835 are built for heavy duty truck and bus service either on the road or in the station. Power range increased by screw extensions. Pump and ram operating mechanism completely enclosed in malleable iron base. Safety valve prevents overloading. Positive oil returns from pump and ram prevent leakage.

Handle locked in socket for safe and easy placing and withdrawing of jack.

Ram lowered by pushing handle further into socket against spring pressure and downward against valve stem.

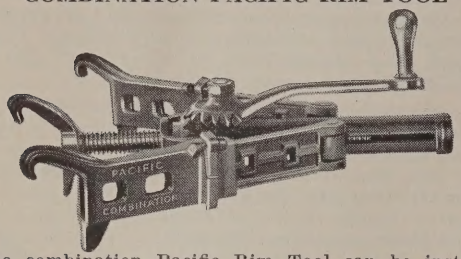
Oil filling plug at correct height in tank to assure correct oil level when refilling. Handle socket above center of jack to insure proper balance in placing and to prevent tipping. Hardened steel serrated cap for positive grip on lifting surface. 36 inch handle clears bumpers with stroke as long as desired; handle folds for placing in tool box or under seat.

May be operated in horizontal position. Skid base for sliding over gravel or dirt. Easy operating with speedy lift. Sturdiest construction throughout to sustain continuous service.

No. 830, Net Trade Price .....***$ 9.45***
No. 835, Net Trade Price ***12.60***

TIRE SHOP EQUIPMENT

COMBINATION PACIFIC RIM TOOL



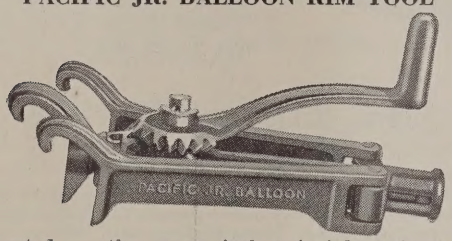
The combination Pacific Rim Tool can be instantly adjusted to handle the smallest Balloon Rim as well as the largest old type High Pressure Rim. This tool was designed by Mr. J. A. Kennedy, World's Champion Tire Changer, who uses this tool in all of his contests.

This tool is made of the highest grade material only. It is built entirely of malleable iron with the exception of the screw which is special screw steel.

The handle will remain set wherever it is left regardless of the amount of strain on the tool, and for this reason it is absolutely safe for any one to operate. The hinged arm feature is an added safeguard against springing the rims. Weight 12 pounds.

Dealers' Net Price **$7.50**

PACIFIC JR. BALLOON RIM TOOL

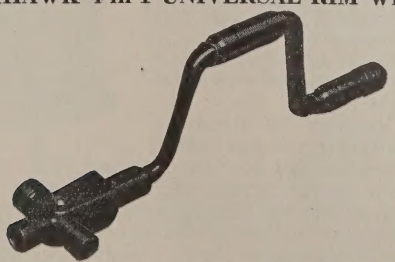


Operated on the screw jack principle — simply run the screw in or out to fit the different sizes of rims. Contracts or expands rim by turning handle. Handle stays set regardless of amount of strain on tool. Made of highest quality malleable iron and cold rolled steel. Each tool packed in an individual carton.

Pacific Junior Balloon

Weight 6 lbs., List Price ..... ***Each*** **$3.50**
Dealers' Net Price, 1 to 10 ..... ***Each*** **2.35**
Dealers' Net Price, 10 or more ..... ***Each*** **2.10**

BLACKHAWK 4 in 1 UNIVERSAL RIM WRENCH



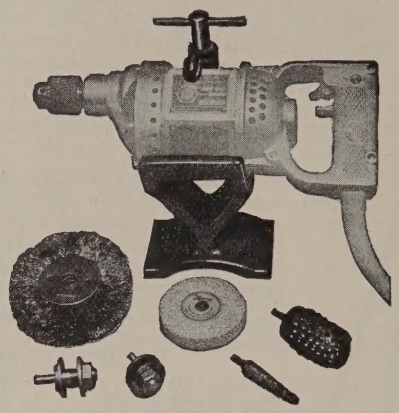
A heavy-duty service tool for the garage and tire service station. Fits all sizes of rim bolts and loosens or tightens them easily and quickly. Powerful and simple in operation.

Built of ⅝" steel bar with drop-forged socket head in one piece.

Fits ⅝ in., 11/16 in., ¾ in. and ⅞ in. bolts.

No. 5104 — Rim Wrench, **Net Trade Price** **$2.37**

TIRE REPAIR OUTFIT



For Use with Black & Decker ¼" Heavy-Duty Drill

The Tire Repair Outfit consists of 4" Wire Wheel Brush with Arbor, Round Nose Rasp, Taper Rasp, 3" Grinding Wheel with Arbor and Stand for ¼" Heavy-Duty Drill.

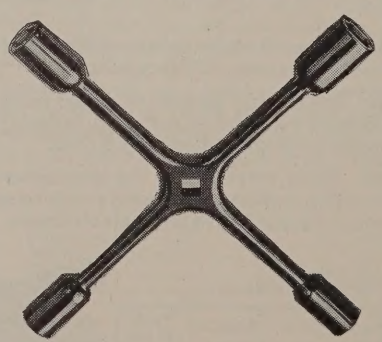
These tools, driven at 2,500 R. P. M. in the lightweight, convenient and powerful Black & Decker ¼" Heavy-Duty Drill, save much time on the many operations illustrated.

The Round Nose Rasp used on treads leaves an ideal surface for vulcanizing.

The Taper Rasp easily and thoroughly cleans and roughs cuts and holes, an otherwise difficult job.

Cat. No.		Net Trade Prices
00425.	**Tire Repair Outfit, complete, as described above, but without Electric Drill**	**$14.50**
00501.	4" Wire Wheel Brush	**2.50**
00525.	Arbor for Wire Brush and Grinding Wheel,	**1.00**
00402.	Round Nose Rasp	**4.00**
00403.	Taper Rasp	**3.00**
00306.	3" Grinding Wheel	**1.00**
00310.	Stand for ¼" Heavy-Duty Drill	**2.00**

CROSS RIM WRENCH



Fits all sizes of rim bolts and nuts.

Net Trade Price **$1.00**

ANOTHER ADVANTAGE

We operate our own Service Department. This assures Seedman customers of the use of their equipment 365 days of the year.

GENERAL & SHOP SECTION

GENERAL

This catalog has been arranged with a view toward allotting to the various sections, the items of equipment that are particularly designed to meet the requirements of the business represented by the section.

The equipment listed in the remaining pages of this catalog are those that are readily adaptable to nearly every branch of the automotive field.

They cannot be classified as belonging to any one particular branch but in many cases are absolutely essential. A perusal of the following pages will show that the lines represented are those of manufacturers of national reputation and accepted as leaders in the field.

SHOP

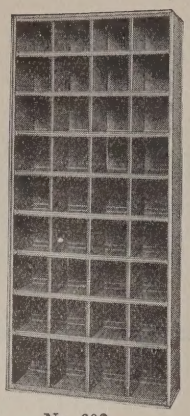
Incorporated in this section are those items of equipment that are particularly designed for shop use.

You will find listed various models and sizes of equipment to meet the requirements of every need in your service station, whether for light or heavy duty work.

Great care has been exercised in selecting only those items that we know to be of the highest quality and designed to give thorough satisfaction.

LYON UNIVERSAL UNITS (STEEL BINS)

No. 601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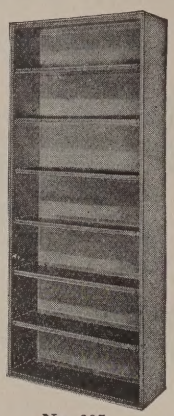
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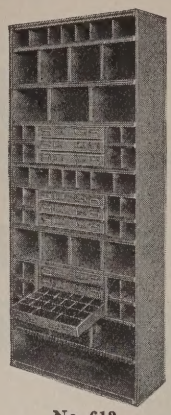
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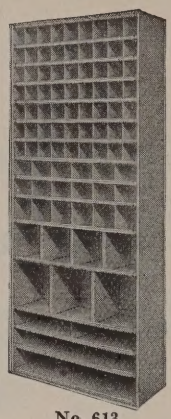
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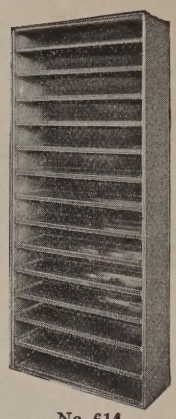
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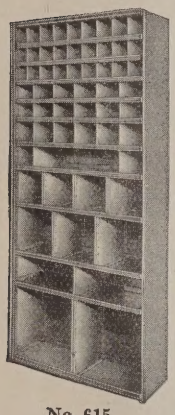
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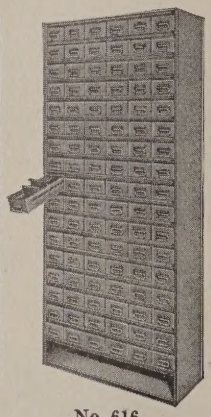
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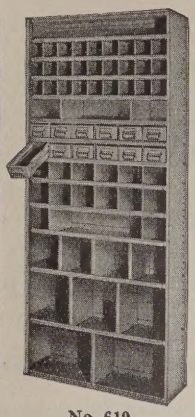
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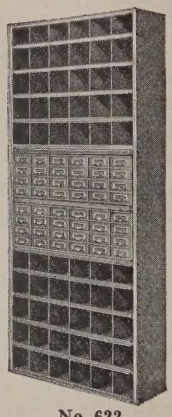
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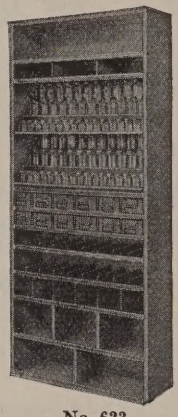
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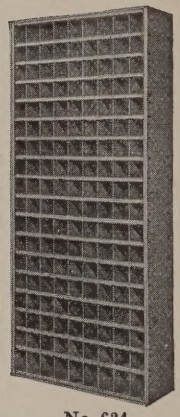

No. 624

Lyon Universal Units put spare corners into profitable use. Wherever miscellaneous small parts are sold, several of these units will quickly earn their cost in time, space and money saved.

Accessory stores, garages, dealers and service stations are using these handy Lyon Units to meet a wide range of storage requirements in the parts department, on the sales floor and in the repair shop.

The units can be labeled to suit the convenience of the individual—all units are fitted with label holders and blank labels.

There are sixteen Universal Units.

Units not illustrated here described in bulletin which will be sent on request.

No.	No. Openings	Shipping Weight, Lbs.	Each, F.O.B. Aurora, Ill.
601	84	271	$34.50
602	36	223	26.00
605	7	172	17.00
615	59	236	28.50
616	409	519	78.25
619	103	278	35.75

Pick one or two Universal Units to serve immediate requirements; additional units may be purchased at any time to use with those originally bought. Units are carried in stock for quick shipment from the factory—not made on special order.

Universal Units are assembled with bolts and nuts. The shelves can be adjusted every inch and a half, dividers every inch. Shelves and dividers are always procurable on short notice. If desired, the sections can be bolted together on a line, or back to back, making a double face rack.

Universal Units are shipped completely assembled ready to be put into immediate use.

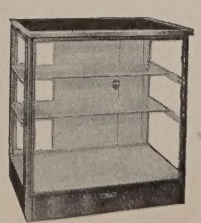
No.	No. Openings	Shipping Weight, Lbs.	Each, F.O.B. Aurora, Ill.
612	251	289	$37.25
613	92	275	35.25
614	14	215	24.75
622	204	386	58.00
623	47	270	*34.25
624	162	330	45.00

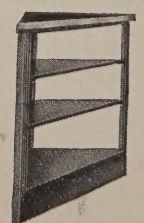
*Bottles not furnished.

LYON STEEL DISPLAY COUNTERS

Lyon Sectional Counters have welded frame, steel top covered with battleship linoleum and brass edges for heavy service. Electric lighting equipment and door locks are installed complete at the factory, if ordered. Shell white interior is optional.

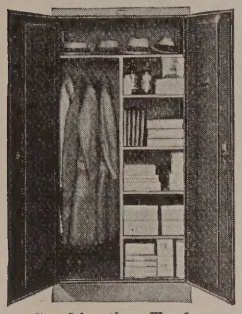
They are made up of Basic and Corner units, to which are attached steel sliding doors, steel or glass fronts and ends as desired. Ask for Lyon bulletin in covering these counters.


Lyon Counter Basic Unit


Lyon Counter Corner Unit

Units, Parts and Features	Per Unit F. O. B. Aurora, Ill.
Basic Unit with Doors and 2 Shelves	$33.00
Corner Unit as illustrated	23.75
Steel Fronts, extra	2.60
Steel Ends, extra	2.00
Electric Lights Installed (bulbs not included) per unit	6.50
Locking Device, Lock and 2 Keys	2.00
Shell White Interior Finish	4.50

LYON STEEL CABINETS AND LOCKERS



Combination Tu-dor
No. 8—$52.00

Lyon Steel Cabinets are designed so that their roomy interiors will readily adapt themselves to practically any storage requirement.

Furnished with dark green finish as standard or with grained mahogany, oak, walnut, ivory gray or shell white.

Combination Tu-dor

Serves dual purpose — wardrobe and office or shop supply storage. Equipped with shelf, partition, 4 half-shelves, coat rod and hooks.

Won-dor

Equipped with 4 shelves or one shelf with coat rod and hooks. Shelves adjustable on 1½ inch centers.

Won-Dor .....each **$30.00**

Double Tier Locker

Each compartment with one double and three single-prong hooks. Padlock attachment.

No. **J-16** Locker....each **$9.25**

Left—
Won-dor Wardrobe Cabinet
No. 20
$30.00

Right—
Double Tier Locker
No. J-16
$9.25

Steel Table

As additional desk space in show room or office. Smooth linoleum top offers a solid writing surface.

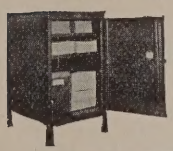
No. **1T** Table.....each **$44.00**

Lyon
Steel Table

Desk-hi Cabinet

Adds convenient and secure storage space to any desk. Equipped with 2 shelves adjustable on 1 in. centers. Surface provides working space. Size, 30½x18x22 inches deep. Six lever lock.

No. 40 Desk-hi...each **$18.00**



Desk-hi
No.40
$18.00

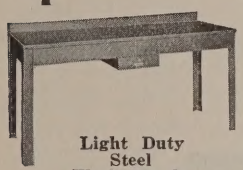
LYON STEEL SHOP EQUIPMENT

Steel equipment gives better service—and these items have been designed to save time, tools and money. Finished in olive green enamel.

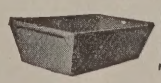
Light Duty Work Bench

Six feet long, 23⅝ in. deep, 33 in. high. Has back stop and drawer with lock.

Bench, ea. **$22.50**



Light Duty
Steel
Work Bench
$22.50

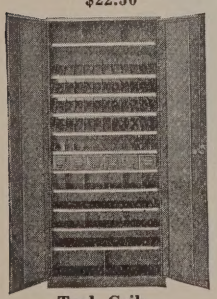


Taper Pans
Top 22x11 in.
Bot. 18x8 in.
No. 118
Lots of 10
$11.80

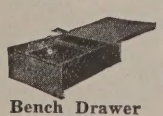
Tool Crib With Doors

Size 7x3x1 ft. Bins, shelves and drawers for tools and doors that lock.

No. **626-D** **$47.00**



Tool Crib
With Doors
No. 626-D, $47.00



Bench Drawer
No. 80, $3.95

Bench Drawer

Tray and steel top. Key lock. Size 16x11x4 in.

No. 80, ea. **$3.95**

Tool Cabinet

Provides a safe place in which to lock valuable precision tools.

No. **1869-D**, ea. **$15.50**

Tool Cabinet

Portable Tool
Stand, $29.25

Portable Stand

For tools, with lock.

No. **667**...each **$29.25**

LYON SPECIAL STEEL STORAGE RACKS

There is a Lyon rack for every automotive need — for bulky items like tires, radiators, fenders, glass, etc., as well as units for small items.

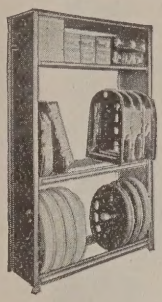
The racks to the right and below save a lot of valuable space, display merchandise better and give greater accessibility.

Wheel, Tire and Radiator Racks

Rounded bars used as tire supports protect tires from deterioration. No. 21 is recommended for storing radiators and wheels as well. Size, 84x49x18 inches.

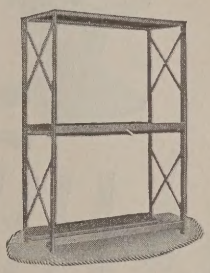
No. **21** Rack.....each **$18.00**

No. **126**, 84x61x24 inches .....each **19.50**



Wheel,
Tire
and
Radiator
Rack
No. 21
$18.00

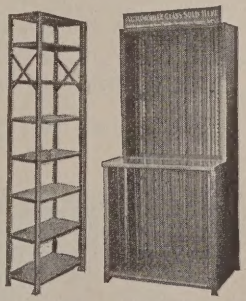
Below—
Tire
Rack
No. 126
$19.50



Accessory Display Rack

Covers the end of 2 sections of Lyon Steel Storage system (back to back), displaying 8 shelves of accessories to the customer in an otherwise unused space. Size 84x24x12 in.

No. **1898-D** Rack, each **$13.50**



Accessory
Rack

Glass Rack
No. 71-A - $71.00

Glass Rack

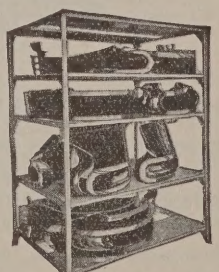
A steel rack offering perfect protection for automobile glass in every standard size carried. Glass rests on wooden insert.

No. **71-A** Rack...each **$40.00**

Fender Rack

Fenders rest on these broad shelves (48x60 in.) without the slightest denting or scratching. 84 in. high.

No. **31** Rack.....each **$71.00**



Fender Rack
No. 31 - $71.00

Curtain Rack

Curtains may be stored in an orderly fashion, each size on a separate labeled shelf. Has 14 individual compartments, 18 in. deep, 84 in. high, 36 in. wide.

No. **81** Rack.....each **$53.50**

Radius Rod Rack

Because of their light and peculiar shape, Ford radius rods are best and most economically stored in this type of rack.

No. **F-1006** Rack, each **$10.75**

Below—
Radius
Rod Rack
No. F-1006
$10.75

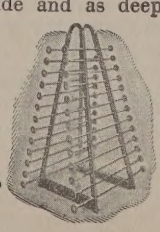
Below—
Curtain Rack
No. 81 - $53.50

Spring Rack

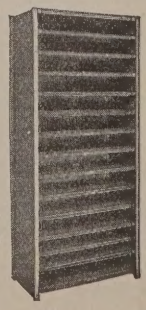
Enables dealers to carry one of each important spring in the line in a space 33 inches wide and as deep the longest spring.

Capacity, 52 springs and 144 leaves.

No. **F-1001** ea. **$33.75**



To Left—
Spring Rack
No. F-1001
$33.75



BLACK & DECKER *PRECISION ENGINE KIT*

A convenient metal Kit containing assortment of Valve Seating and Carbon Cleaning Tools for nearly all cars.

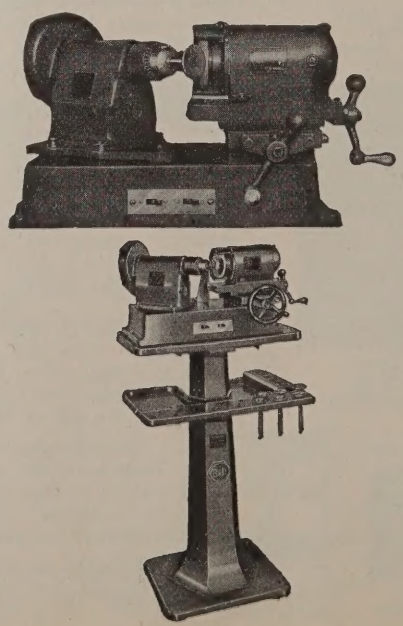
Shops not having a Black & Decker ¼" Heavy Duty Electric Drill should procure this powerful, high speed drill for operating the tools in this kit.

The Precision Engine Kit Contains:

1—Stand for mounting Drill on bench
1—Stone, 1¾", 45 degrees
1—Stone, 1⅞", 45 degrees
1—Stone, 2⅛", 45 degrees
1—Reamer, 1¾", 45 degrees
1—Reamer, 1⅞", 45 degrees
1—Reamer, 2⅛", 45 degrees
1—Turning Wrench for Reamers
1—Self-Centering Pilot, 5/16"
1—Self-Centering Pilot, 3/8"
1—Self-Centering Pilot, 11/32"
2—Sleeves for Stones and Repairs
1—Universal Joint for Stone Sleeve
1—Pilot Removing Pin
1—Dressing Mandrel to sharpen Reamers and Stones
1—Carbon Brush with Holder
1—Carbon Brush Refill
1—Valve Guide Cleaner, 5/16" to 23/64"
1—Valve Guide Cleaner, 3/8" to 27/64"
1—Wire Wheel Brush, 4"
1—Arbor for Wire Wheel Brush
1—No. 1 Valve Tester
1—No. 2 Valve Tester
1—Small Hose for Seat Grinding
1—Large Hose for Seat Grinding

Net Trade Price $65.00

BLACK & DECKER ELECTRIC VALVE REFACER



Excellent equipment for the modern garage and service station.

Refaces valves of all sizes accurately and quickly, producing a clean, even bearing on the entire face.

Grinds valve stems, sharpens reamers and regrinds grinding stone.

A specially designed collet holds valve firmly in the same position as in engine block and insures valve being ground at the proper angle to fit valve seat.

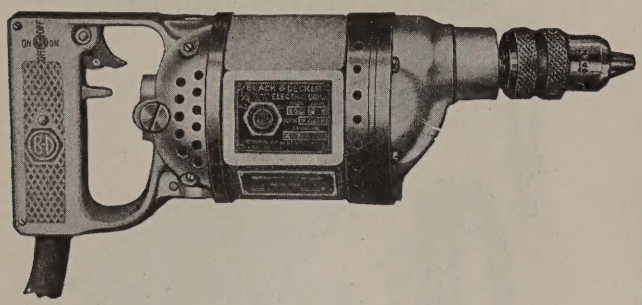
Two motors transmit steady and abundant power to the grinding wheel and work head — one motor drives work head, the other drives grinding wheel.

Work head is adjustable to any angle.

Grinding stones are easily resharpened by chucking by its pilot in the refacer and grinding off a right cut, just the same as a valve is refaced.

	Net Trade Prices
½"	$120.00
⅝"	140.00
Pedestal for ½" and ⅝"	34.00
1"	275.00
1½"	375.00
Pedestal for 1" and 1½"	45.00

BLACK & DECKER DRILLS



¼" SPECIAL DRILL

This is a general purpose drill for light work on intermittent service. Because of its light weight and small size it is ideal for tool kits for men who "go out on the job."

It is equipped with a Universal Motor operating efficiently on either A. C. or D. C. Current, and the gears are made of high grade steel scientifically heat treated to just the right degree of hardness and toughness.

Capacity in steel ..... 0 to ¼"
Net weight ..... 5 lbs.
Price, all voltages $25.00

¼" STANDARD BALL-BEARING ELECTRIC DRILL

A ¼" Drill for continuous service on production work. Light in weight and very easy to handle, but exceptionally powerful and durable.

No load speed ..... 2,000 R.P.M.
Price, all voltages $24.00

¼" HEAVY-DUTY BALL-BEARING ELECTRIC DRILL

The most powerful ¼" Electric Drill ever offered. Designed for continuous work under the most severe conditions.

Capacity in steel ..... 0 to ¼"
No load speed ..... 2,500 R.P.M.
Price, all voltages $44.00

5/16" BALL-BEARING ELECTRIC DRILL

An exceptionally husky tool for continuous production drilling. Very powerful, light in weight, and extremely popular, due to its high efficiency and long life.

Capacity in steel ..... 0 to 5/16"
No load speed ..... 1,400 R.P.M.
Price, all voltages $48.00

½" SPECIAL DRILL

Capacity in steel, 0 to ½". No load speed, 475 R.P.M.
Price, all voltages $53.00

⅝" BALL-BEARING ELECTRIC DRILL

This is the general purpose tool of the line. It has tremendous power and is exceptionally light in weight.

Capacity in steel ..... 5/32" to ⅝"
No load speed ..... 500 R.P.M.
Price, all voltages $68.00

¾" BALL-BEARING ELECTRIC DRILL

A powerful, slow-speed drill for heavy-duty work. It will readily drill holes up to ¾" diameter in the toughest steel, making it an ideal tool for production and maintenance work.

Capacity in steel ..... 3/16" to ¾"
No load speed ..... 425 R.P.M.
Price, all voltages $78.00

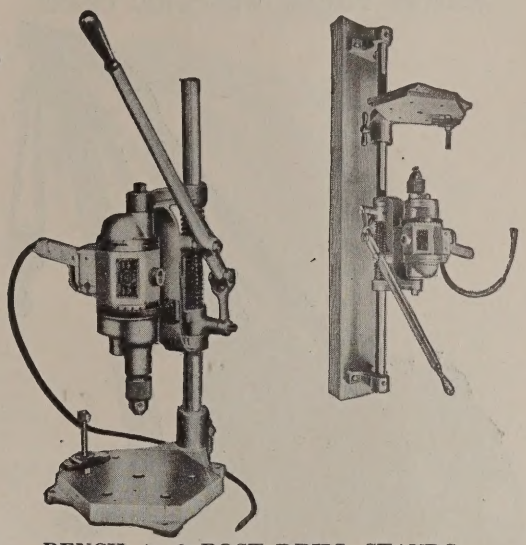
1" BALL-BEARING ELECTRIC DRILL

Designed for Taper Shank Drill Bits and for Taper Shank Reamers. A powerful slow-speed tool for heavy drilling and light reaming.

Drilling capacity in steel ..... Up to 1"
Reaming capacity in steel ..... 1/16" to ½"
No load speed ..... 350 R.P.M.
Price, all voltages $98.00

Larger Sizes on Application

DRILL STANDS

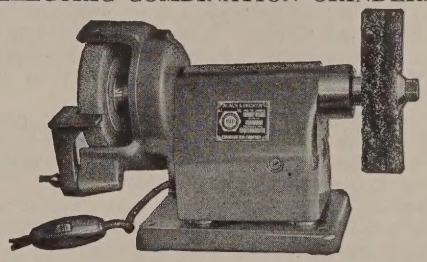


BENCH AND POST DRILL STANDS

Your Portable Electric Drill, Screw Driver or Tapper can be quickly and easily attached to the Black & Decker Bench or Post Drill Stand. The handle has a 6 to 1 leverage enabling the operator to exert tremendous power on the work. The bracket carrying the tool can be raised or lowered on the column or swung in a circle and is secured by a split collar and clamping screw.

No. 1 for ½" Drill, Net Trade Price $32.00

ELECTRIC COMBINATION GRINDERS



6" GRINDER

This tool is driven with a powerful universal motor. The armature and grinder spindle are mounted on ball bearings. One end of the spindle is equipped with a 5" grinding wheel, for sharpening all kinds of edge tools and for general grinding work. The other end of the spindle is equipped with a wire wheel brush for brushing and polishing and this end of the spindle can also be used for rag wheel buffs, circular saws, etc.

Complete with electric cable and attachment plug, electric switch in base, 5" grinding wheel and 6" wire brush wheel.

No load speed ..... 2,400 R.P.M.
Net weight ..... 30 lbs.
Price, all voltages $38.00

7" ELECTRIC BENCH GRINDER

An ideal ball-bearing grinder for sharpening all kinds of edge tools and for general purpose grinding. Complete with two grinding wheels, one coarse and one fine, two wheel guards, two tool rests, electric cable fitted with attachment plug, and electric switch.

Size of wheels—7" diameter by ¾" face by ½" hole.
No load speed for 60 cycle A. C. and D. C. .... 3600 R.P.M.
Price, all voltages, Net Trade $56.00
Pedestal for this Grinder, Net Trade ..... Extra 14.00

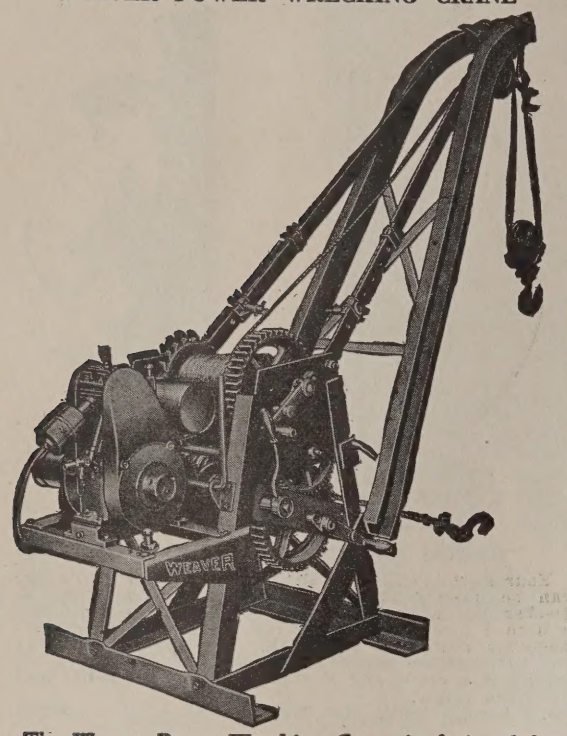
10" ELECTRIC BENCH GRINDER

A powerful ball bearing Bench Grinder designed for use on either bench or pedestal to take care of tool grinding and all types of general grinding and buffing. Equipped with enclosed type safety wheel guards with an adjustable tongue to follow up the wheel wear.

Two grinding wheels, 10 inches in diameter by 1-inch face by ¾-inch hole, one coarse and one fine, are supplied as standard equipment.

No load speed for D. C. ..... 2000 R.P.M.
No load speed for 60 cycle A. C. ..... 1800 R.P.M.
Price, all voltages, Net Trade $118.00
Pedestal for this Grinder, Net Trade ..... Extra 24.00

WEAVER POWER WRECKING CRANE

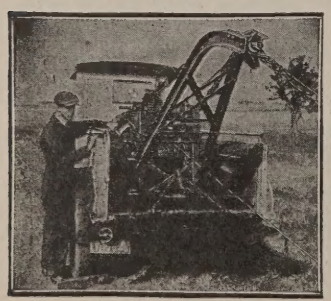


The Weaver Power Wrecking Crane is designed for the shop that desires to render quick, efficient, up-to-the-minute towing service. It not only saves time and labor on ordinary work, but enables one mechanic to handle work that formerly required several or could not be handled at all.

It is a self-contained, compact unit that can be mounted on any service car in a few minutes. Bolt crane in position, connect starter motor on crane to service car battery and crane is ready to use.

Operated by two horse power, air cooled motor, which furnishes continuous power—no storage batteries to run down or power take-off to bother with.

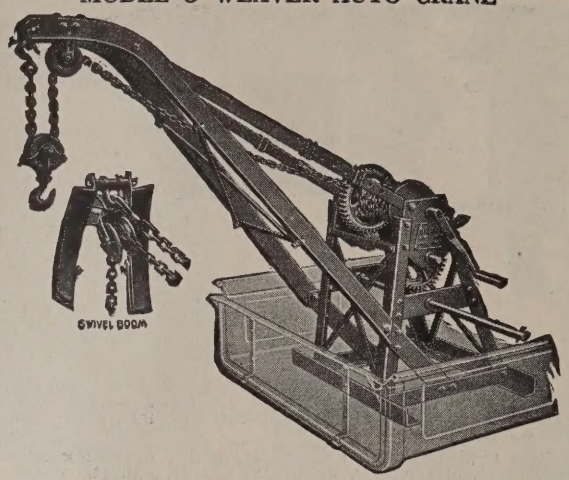
An extremely important feature is the use of two large drums, each capable of holding 300 ft. of cable. The two drums can be operated singly or both at the same time by means of two gear-shift levers on side of crane (as illustrated), greatly facilitating the handling of difficult wrecks. When the disabled car is at a distance from the road or overturned in a ditch, and a long, straight pull is needed, the pull can be taken direct from the lower drum, using it as a winch. Either or both drums (at the same time) can be used to get the car on the road and the upper drum used for raising the car to tow in.



Easy and simple to operate. Self starter. Upper and lower drums operated by means of gear-shift levers and clutch. Load lowered by brake. Height of boom easily adjusted. Easily operated from ground. Recommended capacity, 3½ tons, with ample overload. 200 ft. of 7/16 in. flexible steel cable furnished, 50 ft. on upper drum and 150 ft. on lower drum. Base, 36 in. wide by 29½ in. long. Electrically welded frame, cut gears, swivel head. Shipping weight, 819 lbs.

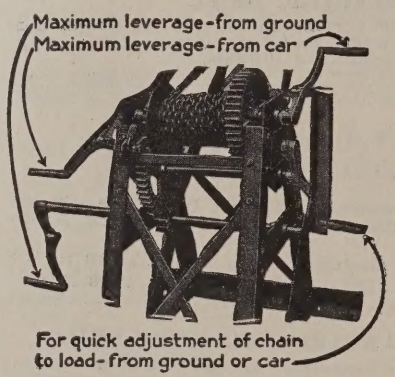
No. WG15, Weaver Power Wrecking Crane..ea. **$390.00**

MODEL G WEAVER AUTO CRANE



Compact strength, without unnecessary weight or bulkiness, is an outstanding feature of the Weaver Auto Crane, Model G. Recommended capacity, 3 tons.

The boom is hinged at the bottom. One man can easily raise or lower the boom, even with the car suspended, after unlocking tension bars and blocking boom as illustrated.



The compound gears afford two distinct leverages and speeds (using the crank handle in the positions shown) and enable mechanic to operate the crane conveniently from the ground or service car.

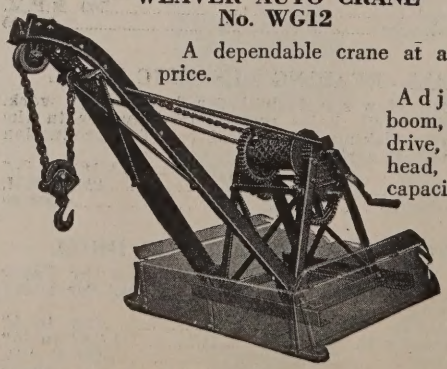
The extreme leverage ratio of 114 to 1 enables the heaviest loads to be lifted with ease.

The sheave wheel at the end of the boom is swiveled, permitting a direct side pull without the chain binding. The large diameter of the drum prevents excessive wear on chain or cable, due to tight winding, as well as kinking of cable or twisting of chain. Drum is mounted on roller bearings which greatly facilitate operation. 35 feet best quality ⅜ in. chain regularly supplied. 50 feet 7/16 in. cable supplied in place of chain at same price. Base, 36 in. wide by 29½ in. long.

No. WG-13, Shipping Wt., 470 lbs.....each **$110.00**

WEAVER AUTO CRANE
No. WG12

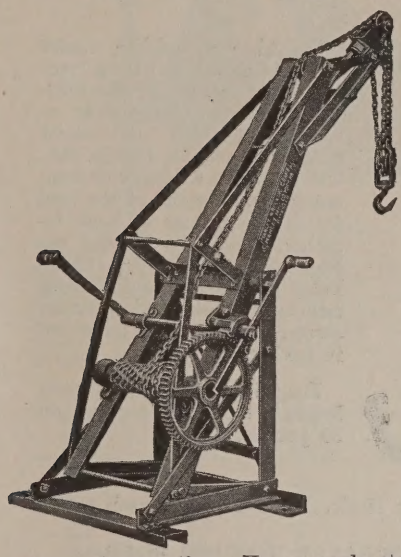
A dependable crane at a moderate price.



Adjustable boom, compound drive, swivel head, 2½ ton capacity.

No. **WG-12** Auto Crane.....each **$85.00**

MANLEY NO. 101 WRECKING CRANE
(2½-Ton Capacity)



The MANLEY No. 101 Wrecking Crane embodies all the features necessary for handling wrecks quickly, conveniently and with safety.

The Balanced and Tilting Beam, with Swivel Nose and high gear ratio means a minimum amount of labor; and when mounted on a well painted Service Car, is not only a big ad, but marks the garage as being progressive and up-to-date.

Tilting Beam. Hinged and supported at its center on a heavy king pin, reinforced by a pipe, the entire load is carried upon the upright saddle.

Truss Construction. Heavy angle steel is used to reinforce the saddle, and tie it together forming a truss. This makes a rigid base for anchoring the crane to the service car, and distributes the weight properly on the chassis.

Swivel Nose. This feature of the Manley Crane is so constructed that the load is distributed to the main beam through a long shaft turning in a heavy casting at the end of the frame. It also adjusts itself to the angle of pull.

Long Overhang. The centrally pivoted and balanced beam allows a complete car to be carried under the frame.

Triple Chain Gives Additional Power. This is the same as a block and fall. By using this method, the load is distributed on three chains instead of one, and insures safety.

Adjustable Operating Handles On Each Side. Two of these are furnished and they are designed so that they are instantly adjusted through a slotted hub for length.

Gear Ratio Is 5 to 1. This low ratio, combined with triple chain, and adjustable handles, allows the heaviest loads to be lifted with ease.

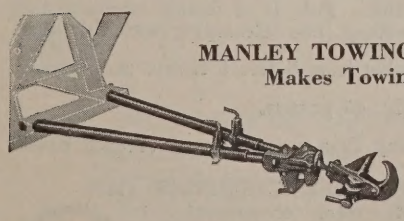
No Obstruction To Drum. This drum is flanged, and the frame construction is such that the chain is clear from the front and rear.

Dimensions

Overhanging beam, 52″. Length beam overall, 78″. Length of saddle overall, 28″. Center to center, 24″. Width, 36″. Holes, center to center, 32″. Capacity, 2½ tons, with a factor of safety.

No. 101 Net Trade Price **$100.00**

This makes an ideal crane to install on the service car as it is attractive in appearance, and highly efficient.



MANLEY TOWING "V" BAR
Makes Towing Safe

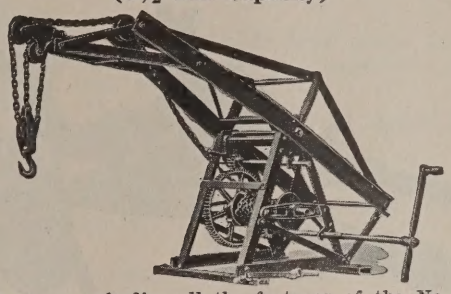
With a Manley V Bar a car may be towed at high speed with perfect safety, there being no way for the disabled car to crash into the service car or to swing out of line. In all cases the Manley V Bar holds the disabled car centered with the service car and at a proper distance from the rear.

Net Trade Price

No. 151 Net Trade Price **$20.00**

No. 151 includes the Distance Bar, axle clamp, adapter plates and angles.

MANLEY NO. 107 WRECKING CRANE
(3½-Ton Capacity)



This crane embodies all the features of the No. 101, 2½-Ton Manley Crane, but it has added features which make it more adaptable to a heavier class of work.

Tremendous Strength. Beam of heavy steel channels, double trussed and pivoted in middle on heavy king pin.

Tilting Beam. This makes it possible to adjust the beam for height and overhang. Sufficient overhang to allow a complete car to be swung under beam.

Swivelling Nose. This permits the chain to adjust itself to the angle of pull.

Ground Or Platform Operated. To make this possible, a high and a low pinion shaft have been provided, with the lower one at the back of crane, so it will easily clear the rear fenders of the wrecking car.

Adjustable Handles. These handles are so designed that they are instantly adjustable for length by using a slotted hub.

Easy Operation On Heavy Loads. This is accomplished by the use of triple chains and high ratio gearing.

Gear Mechanism Can Be Disengaged. This feature allows the chain or cable to be quickly pulled out from the drum.

The Drum May Be Used As A Winch. To make this possible, the crane has been designed so that there are no obstructions at the front of the drum.

Easy To Install. This, like all Manley Cranes is provided with a Self-Centered Base, making it easy to mount on the wrecking car.

Dimensions

Overhanging beam, 60″. Length of beam overall, 78″. length of saddle, 34″. Holes center to center, 30½″. Width, 36″. Holes, center to center, 32″. Capacity, 3½ tons, with a factor of safety.

Net Trade Prices

Cat. No. 107 Shipping Weight, 555 lbs. **$135.00**
Auxiliary Winch. Shipping Weight, 125 lbs. **55.00**

THE MANLEY GARAGE LIGHT

Adjustable to every required position—throws the light up, down, or sideways, under the hood, under the chassis or in the car.

The Manley light is so constructed that the rays from it may be thrown in any position in order to enable the mechanic to have free access to his work without having to hold a trouble light with one hand and work with the other. It is so adjusted that it may be set, extending the upper arm through the window or door of a sedan or coupe, throwing the light inside the car for transmission, brake band or other work.

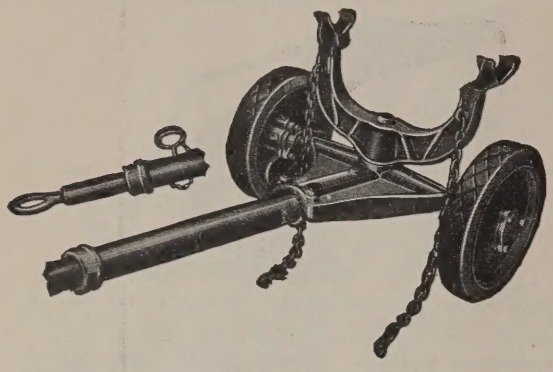
It may also be adjusted so as to throw the light under the chassis, giving the mechanic an opportunity to see what he is doing while working underneath the car.

It is indispensable on the wash rack, as it throws a bright, steady light on the car, enabling the workman to direct the light where he wants it.

The Manley Light weighs 35 lbs., has an 18-inch cast base and a sliding adjustment of 30 inches. It can be adjusted within 6 inches of the floor. Its maximum height is 5 feet, 6 inches. It is equipped with 25 feet of Simplex rubber-covered cable, which will stand grease and hard use. Enamel shade and lamp guard. Globe is not furnished with the Outfit.

No. 700 Net Trade Price **$17.50**

WEAVER HI-SPEED AUTO AMBULANCE



The Weaver Hi-Speed Auto Ambulance is an essential part of the equipment of the modern service truck and has been especially designed to be used to best advantage in this connection. It will handle the heaviest passenger cars with absolute safety at high speed on long hauls.

Ambulance is easily applied to front or rear axles, the pivoting yoke permitting a two point support that prevents tipping. Saddles are offset to side permitting width to be varied from 18 to 22¼ inches by interchanging them. Saddles are also offset fore and aft to permit weight of load to be thrown to front or rear of Ambulance axle.

Load carried by high speed twin roller bearings in each wheel. Telescoping steel pole, adjustable from 7 to 13 feet, can be detached to carry Ambulance in service car. Body and yoke of cast steel. Disc wheels with 16x3½ inch solid rubber tires. Shipping weight, 262 lbs.

No. **WB16** Hi-Speed Ambulance.....each **$115.00**

Model C Auto Ambulance

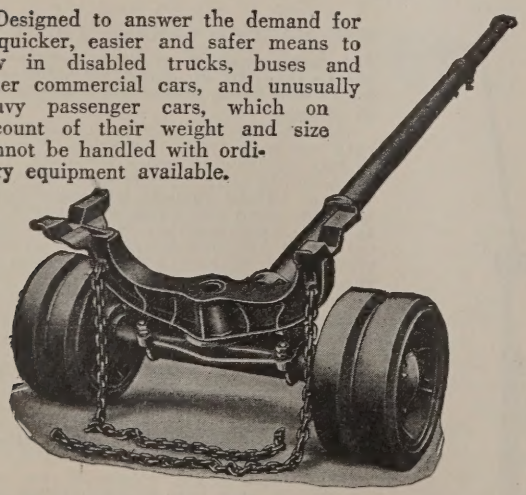
Weaver Auto Ambulance, Model C, is designed to provide a means for handling general passenger car service at a nominal cost.

No. **WB12** Model C Auto Ambulance, with steel wheels, shipping weight, 188 lbs.....each **$55.00**

No. **WB13** Model C Auto Ambulance, rubber tired, shipping weight, 266 lbs.....each **95.00**

WEAVER TRUCK AMBULANCE

Designed to answer the demand for a quicker, easier and safer means to tow in disabled trucks, buses and other commercial cars, and unusually heavy passenger cars, which on account of their weight and size cannot be handled with ordinary equipment available.



Easily applied to front or rear axle. Saddles offset to side and fore and aft. Heavy ball bearings in wheels. Heavy solid rubber double tires. Wheels, 8½x16 inches. Adjustable pole. Shipping weight, 582 pounds.

No. **WB14**, Truck Ambulance.....each **$300.00**

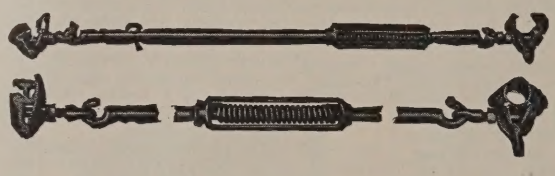
WEAVER LIFTING HOOK

Furnishes a quicker, easier and safe means of lifting front end of car by springs and holding it elevated for towing or repairs. Quicker and easier than using chains, blocks, etc., and there is no danger of damaging car. Weight of the load forces two prongs of hook together, hence the heavier the load the tighter the grip. Chain holds prongs in position while adjusting hook and prevents danger of becoming unhooked in towing.

Forged of 2x½ inch steel; height 3 feet. Shipping weight 30 pounds.

No. **WG14**, Lifting Hook.....each **$12.00**

MODEL D WEAVER TOWING POLE



Supplies a rigid connection between towing car and disabled car, which prevents jamming on sudden stops or on down grades.

The two clamps enable the pole to be clamped rigidly to the front or rear of any car. The clamp on the left end is especially designed to attach to front axle or bumper, avoiding splash apron. The clamp on right end can easily be applied to springs, spring shackle or rear axle.

The two hooks form a simple and effective universal joint which allow ample play in any direction when turning corners, towing over rough roads, etc. They cannot become unhooked in towing when both are fastened.

Heavy coil springs absorb the strain of starting and stopping quickly and in towing over rough roads.

The towing pole is amply rigid to push car where crowded conditions prevent car from being towed into the desired position. Pole is of double strength steel tubing in two sections, one telescoping with the other.

Length adjustable from 5 feet 6 inches to 8 feet.

Shipping weight, 45 pounds.

No. **WC10** Towing Pole.....each **$15.00**

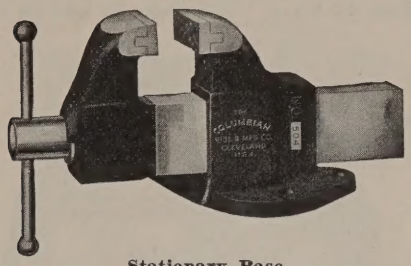
WEAVER SAFETY SERVICE CAN

A convenient, safe, economical means of handling fuel and lubricants. Flexible steel hose reaches fuel tank, no matter how inconveniently located. Can is made practically air tight by inserting nozzle in vent in screw cap. Made of galvanized iron with heavy reinforced bottom.

No. **WE11**, 5 gal., wt. 8½ lbs., ea. **$5.00**

No. **WE12**, 2 gal., wt. 5 lbs., ea. **4.00**

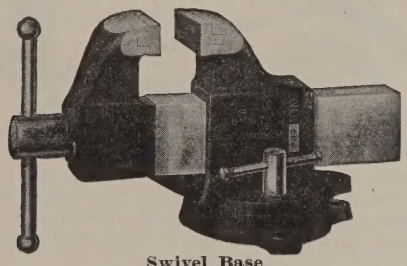
MACHINISTS' VISES



Stationary Base

The most popular type of vise for general use. The flat machined base of Columbian Malleable Iron Vises makes it unnecessary to cut into the bench for installation. Replaceable Tool Steel jaw faces, pinned on, cover the entire gripping surface of the jaws — accurately machined and heat treated. Machined to limit gauges and carefully finished.

Vise No.	Width Jaw Inches	Jaws Open Inches	Weight Pounds Approx.	Net Trade Price
502	2	3	9	$ 6.60
502½	2½	3½	13	7.20
503	3	4½	20	8.00
503½	3½	5	27	9.00
504	4	6	34	10.20
504½	4½	7	44	12.30
505	5	8	53	16.00
505½	5½	9	74	24.00
506	6	10	90	29.60
507	7	12	118	33.00
508	8	13	150	60.00

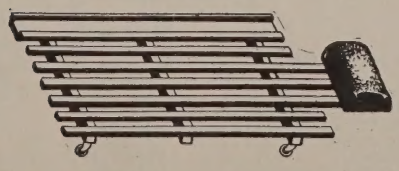


Swivel Base

The effective swivel base allows the vise to be swung quickly and clamped in any desired position. The advantage of holding work at any convenient angle is appreciated by users. All sizes larger than 4½ inches are fitted with two swivel clamping nuts.

Vise No.	Width Jaw Inches	Jaws Open Inches	Weight Pounds Approx.	Net Trade Price
602	2	3	10	$ 8.30
602½	2½	3½	15	9.60
603	3	4½	25	10.40
603½	3½	5	32	12.00
604	4	6	39	13.60
604½	4½	7	55	16.00
605	5	8	61	24.00
605½	5½	9	84	30.40
606	6	10	100	41.60
607	7	12	135	56.00
608	8	13	160	78.40

WOOD REPAIR CREEPER



A durably built creeper, constructed of tough grained hardwood, stained dark walnut, sturdy cross bars, 2x1⅛", Slats, 1⅛x½". Steel swivel casters. Padded headrest, covered with black imitation leather. Handy tool tray on one side.

No. 46 — 18x36 inches, **Net Trade Price** $1.35

DIFFERENTIAL CHAIN HOISTS

Reliable and dependable hoists, handle all loads within their capacities, easily and safely.

Standard design, built of highest grade materials.

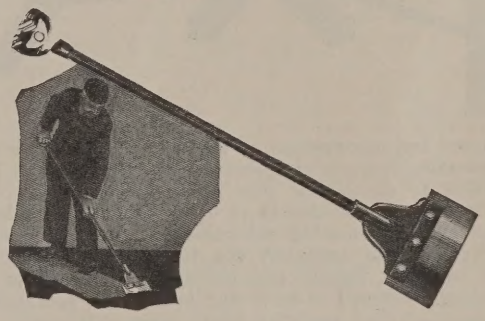
Drop-forged steel hooks, best grade full sized chain, large sheaves, accurate gearing.

Capacity Tons	Regular Lift in feet	Net Trade Prices
¼	6	$14.40
½	7	16.80
1	8	22.40
1½	8½	28.80
2	9	36.00
3	9½	48.00

Extra Lift—4 ft. of chain for each foot of extra lift.

FLOOR CLEANERS

Garage Floor Squeegees and Scrapers



FLOOR SQUEEGEE

Used for drying and cleaning wet floor, consists of heavy weighted iron head and handle socket with heavy rubber squeegee.

No. F — 18" Blade, ¼x1½", **Net Trade Price** $4.50
No. G — 24" Blade, ¼x1¾", **Net Trade Price** 5.00

FLOOR SCRAPERS

Cleans cement floors, scrapes up all grease and scum. Made entirely of metal with spring steel blade.

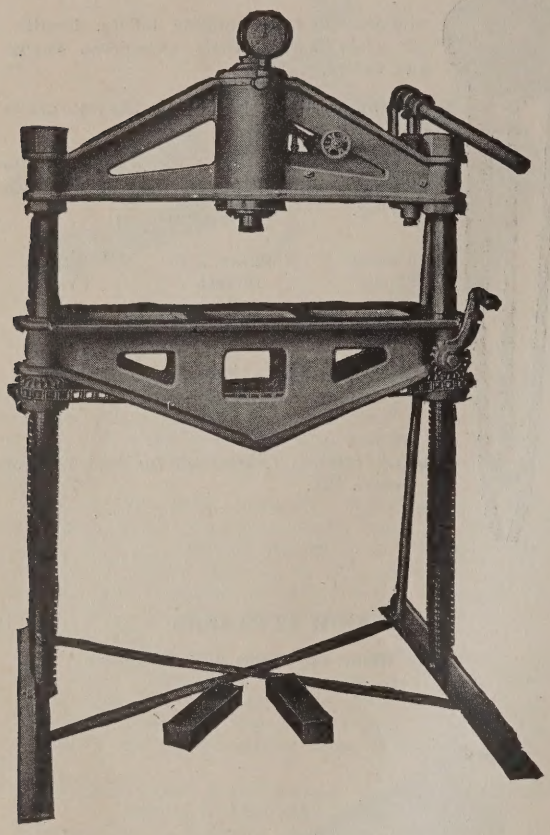
	No. 1	No. 2	No. 3
Size Blade	4"	8"	14"
Net Trade Price	$3.00	$4.00	$5.00
Extra Blades	.25	.60	.75

ANOTHER ADVANTAGE

You can avoid costly mistakes by getting the advice of Seedman's sales engineers before laying definite plans.

WEAVER HYDRAULIC PRESSES

80 Ton, 42 Inch **50 Ton, 36 Inch**



Speed and convenience as well as extreme power are outstanding features of Weaver Hydraulic Presses. The smallest to the largest jobs are handled quickly and easily by means of the hand operated bolster, without numerous time-wasting adjustments. Precision work performed with accuracy, due to accurate control of ram by lever handle and extreme rigidity of press. Especially adapted to truck and bus service and should be in every shop servicing heavy commercial cars.

Adjustable bolster and unobstructed space inside frame make it easy to handle bulky work. Work is raised quickly to ram by means of convenient crank and screw mechanism. Extreme adjustment between bolster and ram is 4 ft. 6 in. on the 80 ton press and 4 ft. 3 in. on the 50 ton press. Bolster has oblong opening in center to allow the work to pass through and a pocket on each side for extra parts, etc. The large screws are accurately cut to insure easy adjustment of the bolster.

By turning lever handle, four adjustments in leverage and length of stroke are quickly made to suit convenience of operator. Extreme pressure developed quickly and easily by a few strokes of lever; immediately released by means of release valve and the ram is drawn to its highest position by means of a heavy return spring inside the cylinder.

The ram is provided with hardened steel thrust block, 2½ inches in diameter, and packed with the best leather packing obtainable, which can be expanded by simply turning the plunger. Undercut near lower end of plunger prevents any leakage past the packing from running down on the ram and the work, and drains it into a drip ring. Oil in this ring is drawn back into the pump reservoir when the pump is operated.

No. WD47, 50 Ton 36 Inch Press.....each **$295.00**
No. WD48, 80 Ton 42 Inch Press.....each **895.00**

WEAVER HI-SPEED PRESSES

60 Ton, 42 Inch **28 Ton, 32 and 42 Inch**

Designed for shops desiring a mechanically operated press with ample power to handle any work that may come in, with maximum speed and minimum labor, a press the simplicity and ruggedness of which will insure long and satisfactory service.

The new ball bearing construction and pitch of screw insure greater leverage and speed with less effort. 3 adjustments in the heavy duty leverage (lever on left above) enable operator to exert required pressure with maximum speed. For lighter work, requiring pressure to 2,000 lbs., the high speed lever (center above) is preferable on account of its greater speed. The most convenient leverage can be selected and changed as the work progresses without moving work.

Bolster on 60 ton presses adjusted by means of crank shown at right above; on 28 ton presses it is easily raised and lowered by hand. Adjustable bolster brings work in direct contact with press screw; lowered to bottom of frame for bulky work.

Pressure released immediately by 2 or 3 reverse strokes of lever. Wheel and screw supported by ball bearings, enabling screw to be operated rapidly.

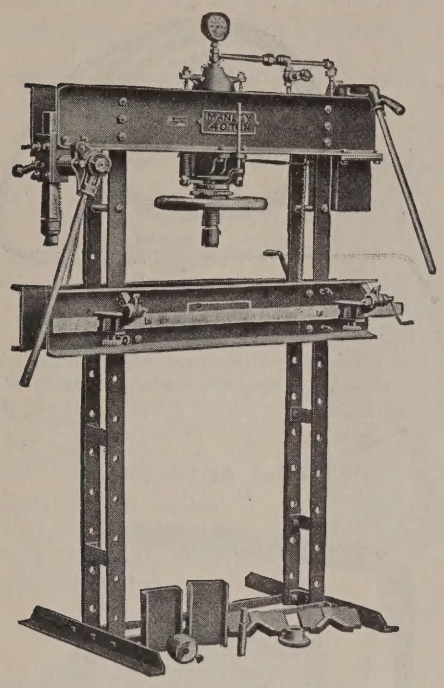
Two pressure blocks, two vise blocks and two sections of 6 inch channel steel regularly furnished.

Specifications

	60 Ton, 42 Inch Press	28 Ton, 32 Inch Press
One piece steel frame	6 in. 13 lb. channel	5 in. 9 lb. channel
Height overall	6 ft. 9 in.	6 ft. 1½ in.
Width between frames	42 in.	32 in.
Diameter hand wheel	18 in.	15 in.
Diameter screw	2¼ in.	2 in.
Floor space	36x47 in.	36x36 in.
Recommended capacity	60 tons	28 tons
Shipping weight	770 lbs.	452 lbs.

No. WD45, 60 ton, 42 in. Hi-Speed Press..each **$165.00**
No. WD12, 28 ton, 32 in. Hi-Speed Press..each **100.00**
No. WD13, 28 ton, 42 in. Hi-Speed Press..each **115.00**

MANLEY 40-TON HYDRAULIC PRESS



The Hydraulic Principle gives you more Speed—more Power—Easier Operation—Longer Life—than any other form of press construction known to engineering.

Pressure is built up faster with one hand than can be obtained with both hands on a screw press. When the job is finished you merely turn release valve and ram is instantly pulled up out of the way.

Pressure Gauge indicates exact pressure being exerted.

Instant Release. Turn hand valve and the ram is automatically pulled away from the work.

Depth Gauge. A vertical rod at the front of the ram is marked in inches and is used as a depth gauge when pressing bushings into bearings, etc.

Quick Adjustment To Work by means of a ball-bearing hand wheel. A spin of this hand wheel carries nose of ram down to the work or away from work.

3-Ton Rack And Pinion Press operates independent of the main press. Two men can work at press at the same time without interfering with each other.

Table Height Adjusted By Hand Crank. One man can adjust table in any desired position in 15 seconds.

Test Centers Save Steps. They are mounted on side of press table, directly in front of operator, so that he can "press and test" without moving about.

Open Sides make it possible to straighten long pieces.

You Can Keep Your Eyes On Your Work because the hand levers are located so as to enable you to work in a natural position.

Bolted Construction gives maximum strength. The bolts in this press are six times stronger than the rated capacity of the press. The frame is not weakened by bending.

Equipment is complete, consisting of two malleable iron "V" Plates for straightening work, one arbor and axle gear pressure ring and two channel blocks; one "V" nose, one plain nose; also pressure gauge and necessary handles. Shipped assembled and is ready to operate when uncrated.

Dimensions

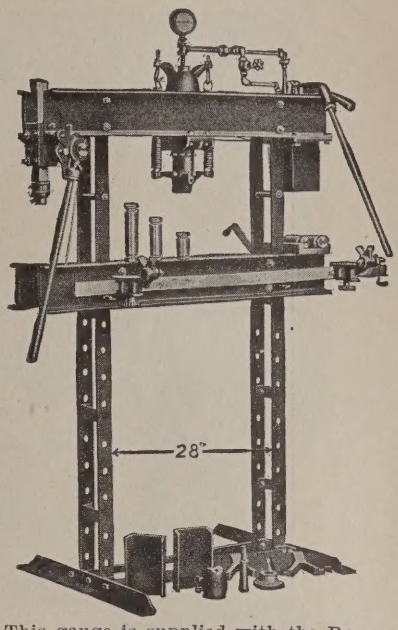
Height overall in box, 82½". Floor space occupied, 30" x 50½". Travel of table, 36½". Travel of piston, 7". Travel of screw, 6½". Width between frames, 30". Width between table channels, 6¼". Size of top channels and table channels, 8".

Net Trade Prices

Cat. No.		Shipping Weight	Price
8A	Hydraulic Press, 40 tons, with pressure Gauge	663 lbs.	$148.00
28A	Press with Rack and Pinion Attachment	712 lbs.	168.00
28A-49	Press with Rack and Pinion and Test Centers	744 lbs.	183.00
20-B	Rack and Pinion Attachment only	49 lbs.	20.00
49	Test Centers only	32 lbs.	15.00
42	Pressure Gauge only	2 lbs.	10.00

MANLEY 25-TON HYDRAULIC PRESS

This Press is from 15 to 20 times faster than a Screw Press—as each stroke of the pump moves the piston ⅛ of an inch. The hydraulic principle almost entirely eliminates frictional loss, making it easy to get tremendous pressure with little effort (20 tons in 3 seconds with 2 strokes). After the job is done it is only necessary to turn the release valve, and the ram is instantly pulled away from the work.



Pressure Gauge. This gauge is supplied with the Press and shows the actual tonnage being exerted at all times.

Instantaneous Release. Merely turn hand valve and the ram is instantly pulled away from the work by the springs provided for this purpose.

Independent Rack and Pinion Press. Indispensable for bushings, starter and generator work, etc. Note that this Press is located so it can be used without interfering with the use of the main Press, making it possible for two men to use Press at the same time.

Quick Table Adjustment. Press Table can be adjusted in any position by means of hand crank. One man can adjust to any desired position in fifteen seconds.

Quick Adjustment To Work. Three arbors of different lengths are supplied. These arbors are merely slipped into socket in the head of the ram and held in place by spring and ball.

Test Centers Attached To Press. V Blocks slide on horizontal bar to obtain adjustment for any length. A tremendous amount of time is saved in straightening work, owing to the test centers being right on the press, saving hundreds of steps a day.

Open Frame. Manley Presses are now built with open sides so that the Press may be used for straightening pieces of any length. When press is used for straightening work, long pieces may be passed through the open sides of the frame.

Hand Levers In Correct Position. Note that the operating levers are arranged so that you can stand in a natural position and keep your eyes on the work.

Bolted Construction. Bolted construction is used on Manley Presses, which eliminates any possibility of a weak frame, as the metal is not weakened, stretched or cracked in a bending operation. The bolts in this Press are six times stronger than its rated capacity.

Equipment consists of three arbors of different lengths and a holder or tray placed upon the table at a convenient position for these arbors. Two malleable iron V Plates, which are also used as V Blocks for straightening jobs. One arbor and one axle gear pressure ring. Two channel blocks for straightening work. The Press is furnished complete with all the necessary handles and a pressure gauge registering in tons. Shipped assembled and is ready to operate as soon as uncrated.

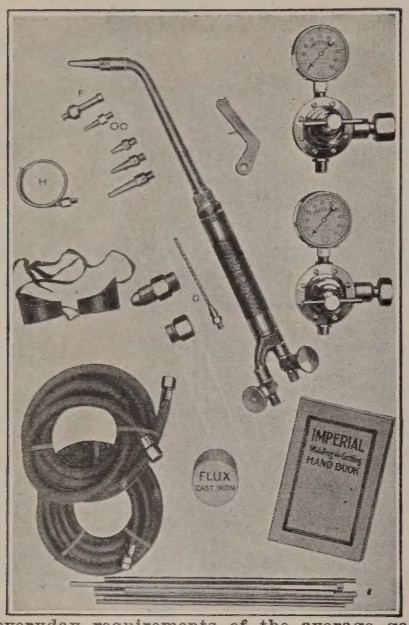
Dimensions

Height overall in box, 77½". Floor space occupied, 30" x 47½". Travel of table, 35½". Travel of piston, 7". Width between frames, 28". Width between table channels, 5⅝". Size of top channels and table channels, 6".

Net Trade Prices

Cat. No.		Shipping Weight	Price
9A	Hydraulic Press, 25 tons, with pressure Gauge	516 lbs.	$115.00
29A	Press with Rack and Pinion Attachment	565 lbs.	135.00
29A-49	Press with Rack and Pinion and Test Centers	597 lbs.	150.00
20D	Rack and Pinion Attachment only	49 lbs.	20.00
49	Test Centers only	32 lbs.	15.00
42-B	Pressure Gauge only	2 lbs.	10.00

WELDING OUTFITS



For everyday requirements of the average garage or small repair shop. It does Welding, Carbon Burning, Lead Burning, Radiator Soldering, Brazing, Pre-heating, and at an extra charge, a Cutting Attachment is furnished which will cut steel and wrought iron up to 3 inches thick.

The No. 12 Outfit consists of:

1 Type 4X Welding Torch with 5 copper tips (1 each 0C, 2C, 4C, 6C, and 8C.)
1 Carbon Burning Tip, Type H
1 Lead Burning Tip, Type OO.
1 Rad. Soldering Tip, Type G
1 Brazing Tip, F
1 Type D. Ox. Regulator
1 Type D. D. Acet. Regulator
2 Gauges
2 Lengths of Hose

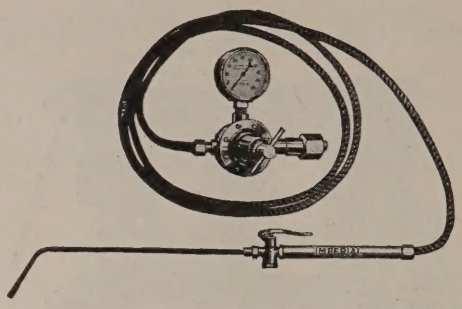
Connections, Goggles, Flux, Welding Rod, Spark Lighter and Hand Book.
Packed in Carton.

***No. 12 Imperial "All-Purpose" Outfit, Each* $52.50**

For all general welding work, from thin sheet metal to heaviest castings.

Consists of Type X Imperial Welding Torch with 10 Type C copper welding tips, extension, regulators, 4 gauges, hose, connections, goggles, handbook, carrying case, complete supply of welding materials and spark lighter, ready for service.

No. 11 Imperial Welding Outfit, Each **$90.00**

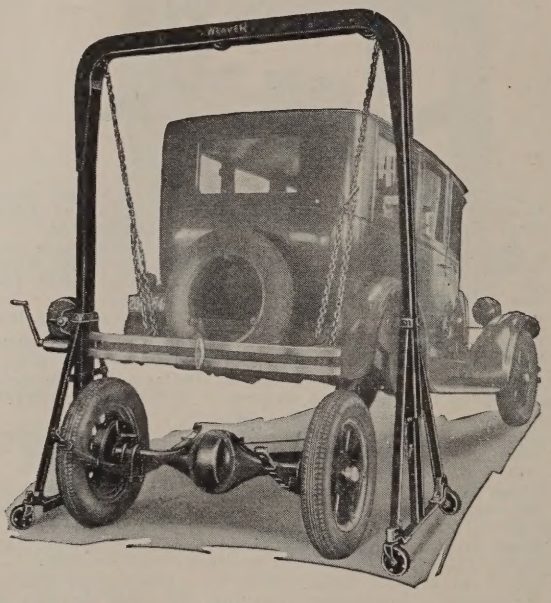


No. 6 CARBON BURNING OUTFIT

An improved and efficient equipment, complete with torch, regulator, gauge, hose and connections.

Net Trade Price **$15.00**

WEAVER AUTO HOIST



The Weaver Auto Hoist will give 100 per cent hoisting service in handling either touring cars or limousines both inside and outside of the shop.

The Auto Hoist requires only 12 to 16 inches on each side of the car and can thus be operated under very cramped conditions. When not in use it can be run astride a car, thus occupying practically no more space than the car itself.

The frame of the hoist can easily be elevated by its own power, from 7 feet 6 inches to 8 feet 9 inches. Sufficient elevation is thus afforded to handle limousines. The minimum elevation allows the hoist to be run through the average garage door.

The worm drive mechanism makes it impossible to release the load accidentally. Light work can best be handled by a single chain over the center roller; capacity 2000 pounds; heavy work, by two chains over the rollers in the corners of frame; capacity 3000 pounds. Constructed primarily of 5 inch channel steel. No. WG10 Auto Hoist, Shipping Wgt. 545 lbs.

Net Trade Price **$120.00**

GUARDENE FIRE EXTINGUISHER

Standard Design—Soda and Acid Type

Approved and labeled by the Underwriters' Laboratories, Inc.

Embodies all the latest improvements and is durably built.

Made of heavy, cold-rolled copper, perfectly and durably constructed thruout every detail, and will stand rough usage.

Simple to operate, a safe and positive protection against fire. Working pressure of 100 pounds, throws a stream with sufficient force to be effective at 40 feet from blaze and will instantly put out oil, tar, naptha or gasoline fires. Capacity 2½ gallons.

Complete with charge

Polished Copper, **Net Trade Price $13.34**
Nickel Plated, **Net Trade Price $14.66**
Extra recharges, **$9.00 per dozen**

PYRENE FIRE EXTINGUISHER

A Safe and Efficient Fire Appliance

Approved by Underwriters' Laboratories, Inc.

Saves 15 per cent on Fire Insurance Premiums

Pyrene will put out any fire, no matter how stubborn—it is particularly effective on highly inflammable material, especially oil or gasoline.

Pyrene is easily operated and is always ready for use—every car and garage should have one or more—they will prove a sure protection.

Extinguisher Complete—Brass with black enameled bracket ready to attach in most convenient position on car, in the garage or home.

Quart (Standard Size) .....**Net Trade Price, $ 8.00**

1½ Quart size .....**Net Trade Price, $10.00**

PYRENE LIQUID

The chemicals contained in Pyrene are absolutely non-injurious and non-corrosive—will not evaporate nor freeze in zero weather.

		Net Trade Price
Liquid,	in sealed cans	**Per Quart, $1.20**
	in drums	**Per Gallon, 4.80**

PHOMENE FIRE EXTINGUISHER

Approved and labeled by the Underwriters' Laboratories, Inc.

A thoroughly efficient and practical fire extinguisher. Made of heavy, cold-rolled copper, durably constructed to stand rough usage. Simple to operate, anyone can use them—a safe and positive protection against fire.

Throws a stream with sufficient force to be effective at 25 to 35 feet from blaze and will instantly put out oil, tar, naptha or gasoline fires.

Capacity, 2½ gallons, produces 20 gallons of foam.

Net Trade Price **$18.75**
Extra recharges, **$1.75**

PHOMENE EXTINGUISHERS ON WHEELS

(Foam Type)

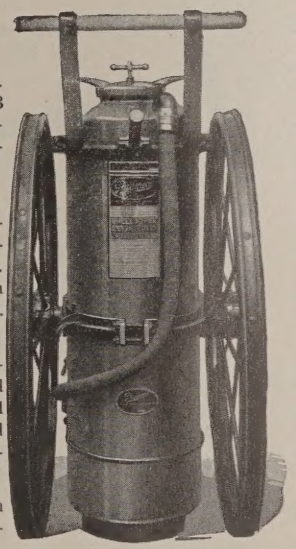
Specifications and Weights

Capacity of the D-2-P.N. is 40 gallons gross, or 33 gallons net and will produce a foam expansion ratio of about 8.

Tank. Steel, welded and riveted, of standard construction. Shell, head riveted, sweated and soldered. Entire tank coated with alloy of tin and lead. Tested to 400 pounds.

Inner Cylinder. Removable. Made of cold-rolled copper, tinned inside and outside. Cylinder sealed by manually operated stopper.

Hose. 50 ft. of 1¼ inch Chemical Hose. Underwriters' Labeled.



Prices on Application.

LAWCO FIRE PAIL

Heavy galvanized pail with rounded bottom. Designed for hanging on hook.

Enameled red and stenciled FIRE IN large letters.

Durably built in every detail.

Heavy wire bail. Capacity 12 quarts. Size 11x10¾".

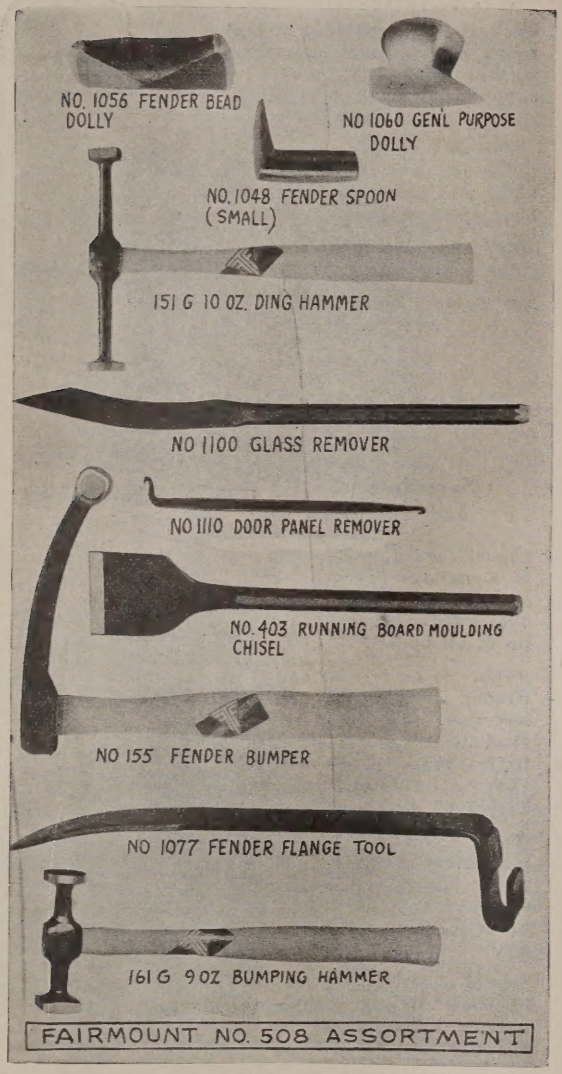
No. 50—Round bottom.
Net Trade Price.....**$.39**

FIRE PAIL HOOKS

Strong, heavy hooks, for holding fire pail securely on wall or post. **Net Trade Price** .....**$.27**

FAIRMOUNT

BODY AND FENDER TOOLS


NO. 1056 FENDER BEAD DOLLY
NO 1060 GENL PURPOSE DOLLY
NO. 1048 FENDER SPOON (SMALL)
151 G 10 OZ. DING HAMMER
NO 1100 GLASS REMOVER
NO 1110 DOOR PANEL REMOVER
NO. 403 RUNNING BOARD MOULDING CHISEL
NO 155 FENDER BUMPER
NO 1077 FENDER FLANGE TOOL
161 G 9 OZ BUMPING HAMMER
FAIRMOUNT NO. 508 ASSORTMENT

No. 508 Assortment

1056	Fender Bead Dolly Block	$1.50
1060	General Purpose Dolly Block	3.50
151-G	10 oz. Ding Hammer	2.50
161-G	9 oz. Bumping Hammer	1.25
155	1½ lb. Fender Bumper	2.50
1048	Fender Spoon	1.25
1077	Fender Flange Tool	1.50
1110	Door Panel Remover	.75
1100	Glass Remover	1.25
403	Running Board Moulding Chisel	1.50

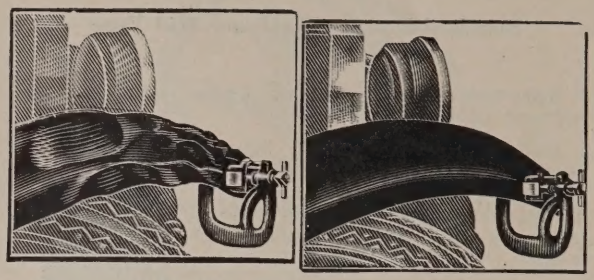
Net Trade Price
Complete Assortment **$17.50**

Each set packed in strong cardboard carton

ANOTHER ADVANTAGE

Our trained sales engineers will assist you with your layout problems. No charge for this service.

HERMAN FENDER ROLLERS



Before *After*

A Dented Fender can easily be* ROLLED *out with this new Dent Roller

This is a tool you would not do without after once using. No marks of any kind — making the fenders smooth and perfect. Very easy to operate. Fifteen or twenty minutes' practice should make you able to work them. Follow directions.

If not entirely satisfied after using these rollers, send them right back—no alibis needed.

Directions

Allow Roller to run free over fender. Tilt Roller slightly forward until necessary pressure is obtained, and run over dent with long, easy strokes, holding Roller firmly with both hands. Keep wheels and fenders clean. If sharp kink or deep dent, raise up with hammer before rolling.

Small Roller

for rim and edge of Fender
Weight 6½ pounds

Large Rollers

for top of any kind of Fender
Weight, 14 pounds

The two rollers sold as one unit
Price Complete $35.00

ANOTHER ADVANTAGE

We operate our own Service Department. This assures Seedman customers of the use of their equipment 365 days of the year.

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